R e s u m e

Name: Christian Clare
Address: Camillus • NY• USA • 13031
Phone: +1 (315) 901-8118
Email: c.clare@gmail.com

Previous Position: Senior A/P, mobile developer, Fortive/Accruent

Career Summary:

- Senior A/P, vx Field and vx Maintain mobile development, Fortive/Accruent, Apr 2022 - Jul 2023
- Contractor, Senior A/P, vx Field lead developer, Fortive/Accruent (US), Jul 2018 - Mar 2022
- Contractor, Senior A/P, vx Field lead developer, Accruent (US), Sep 2016 - Jun 2018
- Contractor, Senior A/P, vx Field lead developer, Verisae (US), Aug 2014 – Aug 2016
- Contractor, Chief Architect, ViryaNet (US), May 2013 – Jul 2014
- Chief Architect, ViryaNet (US), Jan 2010 – Apr 2013
- Founder, Groundhum, Jan 2009 – To Date
- Chief Architect, Mobile, ViryaNet (US), Sep 2007 – Dec 2009
- Director of Engineering, ViryaNet Australia, Jun 2005 – Aug 2007
- Senior A/P, E-Wise Solutions, Sep 2003 - May 2005
- Systems Architect & Senior A/P, FieldAtWork, Mar 2002 - Aug 2003
- Senior A/P, E-Wise Solutions, Mar 2000 - Feb 2002
- Senior A/P, University of Queensland St Lucia, 1999 - 2000
- A/P, University of Queensland Herston, 1994-1999

Technical Skills

- Systems architect
- Management, team lead, resource planning, project estimates
- Mobile application architect & developer (iOS & Android)
- Engineering development including source control, release management, planning, resource management, code review
- Application development and client consulting
- Senior Analyst/Programmer with skills in:
- Swift, Objective C, Java/Kotlin, iOS development (Xcode), Android development (Android Studio), Web development,

Team lead and mentorship, App Store deployment/ automation, System design, Cross-platform development (Titanium framework, Flutter, React), git, Bitbucket, Github, Azure Devops, Network socket programming, Firebase (Messaging, Events, Crashlytics), Agile methodologies, source control workflows, Linux admin, Parallels and VMWare VMs, Docker, Linode, NodeJS, Express, Titanium Framework, Javascript, Application Server development, Eclipse, Sping Tools, JDBC, Oracle, SQL Server, Bash scripting, SQL, PL/SQL, Unix/Linux/ HP-UX, C, Ant, Proxool, Hibernate, Spring, Xerces, Axis, XMLBeans, XStream, Log4J, .Net (C#, ASP.Net), IIS, Apache Tomcat, JSP, PHP, MySQL, Postgres, CVS, Ubuntu

Educational Qualifications:

2007
Experience evaluated as equivalent of four-year Bachelor of Science Degree in Computer and Information Science from a US College or University.
(See attached letter by Hartung Associates vocational consultants for Department of Homeland Security - E-3 visa)**.**

1995 – 1995
University of Queensland, B.InfoTech (deferred)
(Completed first year, deferred for work in IT industry)

1992 – 1994
University of Queensland, B.Arts
Majors in English Literature and Journalism with electives in computer science.

Technical Courses Attended:

WWDC online 2011-2023
Google I/O online 2011-2023
Microsoft Tech-ed 99, Google Developer Day 2007
LUGRadio live linux conference San Francisco 2008

Interests:

Mobile everything, AI, the web, OS design, web frameworks, vim, Macs, screenwriting, scuba diving, iOS and Android application development, databases, UI design, Linux (Ubuntu), Open Source Software, reading, Tao, swimming, teaching, journalism, writing.

Web Sites:

Previous Job Responsibilities:

Fortive/Accruent/Verisae:
* Senior A/P, Lead developer of vx Field and vx Maintain mobile product.

Job History

Company:	Fortive (US)
Start Date:	Apr 2022 - Jul 2023 (1 year, 4 months)
Position:	Senior A/P, employee (lead developer of vx Field and vx Maintain mobile)
Project:	vx Field and vx Maintain mobile
Responsibilities:	

- Systems architect and lead developer on the vx Field and vx Maintain mobile application for iOS and Android.
- Lead and train mobile developers in a distributed development team. Includes general programming tuition and specific education around the mobile code base.
- Conduct code reviews.
- Provide assistance for working with automated testing systems
- Develop workflows for mobile development around Bitbucket to coordinate distributed development teams across multiple timezones.
- Extend the functionality of the vx Field product to include new features required by cloud and on-premise G4 customers.
- Maintain and develop Titanium framework patches and security updates in Objective C and Java.
- Upgrade and maintain the Titanium framework as iOS, Android and Titanium framework release new versions
- Build and develop the mobile application including:
  - Building, patching and maintaining the mobile framework used to run the mobile applications.
  - Work with UI/UX designer and product manager to design new features
  - Contributing to the technical and functional design of new application features.
  - Administer and maintain Google Play and Apple app store production distribution mechanisms.
  - Move application framework build and application build for iOS and Android applications to Azure Devops
  - Develop Azure Devops pipeline YAML for producing builds
  - Implement continuous integration pull request triggers and hook into Mocha javascript automated testing framework unit tests
  - Use Azure Devops to automate the upload of builds to Google Play and Apple App Store

- o App store account management and corporate continuity
- o Implement Firebase Crashlytics for Android and iOS
- o Implement SSO mobile solution using JWT and PKI to interface with Spring Tools APIs.
- o Maintain build systems and custom app builds for on-premise customers.
- o Generate application testing builds.
- o Provide consulting for Google and Apple enterprise app signing for on-premise customers.
- o Support the mobile application product and provide consulting around the product and its systems to cloud and on-premise customers.
- o Provide customer support for technical issues escalated by support.

Company:	Fortive (US)
Start Date:	Jul 2018 - Mar 2022 (3 years, 9 months)
Position:	Senior A/P, Contractor (Lead developer of vx Field)
Project:	vx Field
Responsibilities:	

- Provide the role of Systems architect and lead developer on the vx Field mobile application for iOS and Android.
- Build and develop the mobile application including:
  - o Building, patching and maintaining the Titanium framework used to run the vx Field mobile application.
  - o Work with UI/UX designer and product manager to add new features and enhance functionality of the application as more functionality moves to the mobile application
  - o Contributing to the technical and functional design of new application features.
  - o Generate application testing builds.
  - o Administer and maintain Google Play and Apple app store production distribution mechanisms.
  - o Maintain build systems and builds for on-premise application builds provided to clients such as Florida Power and Light, Singtel and SPS.
  - o Provide consulting for Google and Apple enterprise app signing for on-premise customers.

- o Support the mobile application product and provide consulting around the product and its systems to cloud and on-premise customers.
  - o Provide customer support for technical issues escalated by support
- Lead and train vx Field programmers in a distributed development team. Includes general programming tuition and specific education around the vx Field code base.
- Hire and train new developers
- Conduct code reviews.
- Provide assistance for automated testing systems
- Develop workflows for mobile development around GitHub to coordinate distributed development teams across multiple timezones.
- Extend the functionality of the vx Field product to include new features required by cloud and on-premise G4 customers.
- Maintain and develop Titanium framework patches and security updates in Objective C and Java.
- Upgrade and maintain the Titanium framework as iOS, Android and Titanium framework release new versions.

Company:	Accruent (US)
Start Date:	Sep 2016 - Jun 2018 (1 year, 10 months)
Position:	Senior A/P, Contractor (Lead developer of vx Field)
Project:	vx Field
Responsibilities:	

- Provide the role of Systems architect and lead developer on the vx Field mobile application for iOS and Android.
- Build and develop the mobile application including:
  - o Building, patching and maintaining the Titanium framework used to run the vx Field mobile application.
  - o Work with UI/UX designer and product manager to add new features and enhance functionality of the application as more functionality moves to the mobile application
  - o Contributing to the technical and functional design of new application features.
  - o Generate application testing builds.
  - o Administer and maintain Google Play and Apple app store production distribution mechanisms.
  - o Maintain build systems and builds for on-premise application builds provided to clients such as Florida Power and Light, Singtel and SPS.

- o Provide consulting for Google and Apple enterprise app signing for on-premise customers.
  - o Support the mobile application product and provide consulting around the product and its systems to cloud and on-premise customers.
  - o Provide customer support for technical issues escalated by support
- Lead and train vx Field programmers in a distributed development team. Includes general programming tuition and specific education around the vx Field code base.
- Hire and train new developers
- Conduct code reviews.
- Provide assistance for automated testing systems
- Develop workflows for mobile development around GitHub to coordinate distributed development teams across multiple timezones.
- Extend the functionality of the vx Field product to include new features required by cloud and on-premise G4 customers.
- Maintain and develop Titanium framework patches and security updates in Objective C and Java.
- Upgrade and maintain the Titanium framework as iOS, Android and Titanium framework release new versions.

Company:	Verisae (US)
Start Date:	Aug 2014 - Aug 2016 (2 year, 1 month)
Position:	Senior A/P, Contractor (Lead developer of vx Field)
Project:	vx Field
Responsibilities:	

- Moved to Australia, became a contractor to continue working with Verisae
- Architected the vx Field mobile product to work on latest iOS and Android mobile operating systems.
- Work with UI/UX designer and product manager to add new features and enhance functionality of the application as more functionality moves to the mobile application.
- Lead and train a distributed development team.
- Hire and train new developers
- Develop workflows for mobile development around GitHub to coordinate distributed development teams across multiple timezones.
- Extend the functionality of the vx Field product to include new features required by cloud and on-premise G4 customers.

- Maintain and develop Titanium framework patches and security updates in Objective C and Java.
- Upgrade and maintain the Titanium framework as iOS, Android and Titanium framework release new versions.

Company:	Groundhum
Start Date:	November 2015
Position:	Founder, developer
Project:	Tock time tracking application
	App store link: https://apple.co/3I4JPeD
Responsibilities:	

- Designed time tracking application from scratch for iPhone and iPad
- Designed and created Tock application icon
- Created UI to allow time blocks to be dragged and sized in real time and synced back to online calendars.
- Created time tracking reports and auditing.
- Integration with Freshbooks
- Integration with Dropbox
- Native Titanium file picker module written in Objective C
- Wrote application in Titanium framework for iOS (Android supported at later stage).
- Export to CSV and PDF
- Source control via git in GitHub

Company:	ViryaNet, Inc (US)
Start Date:	May 2013 - Jul 2014 (1 year 2 months)
Position:	Chief Architect
Project:	ViryaNet Field
Responsibilities:	

- Architect a new mobile solution and strategy for use with core G4 product on Android and iOS hardware.
- Evaluate frameworks supporting multi-os deployment (iOS/Android/Windows/Mac) and present the different options.
- Develop an initial proof of concept in the Titanium framework to support both Android and iOS operating systems and prove initial sync is possible with G4 Channel Server.
- Work with UI/UX designer and product manager to create design-driven mobile application.
- Maintain and develop Titanium framework patches and security updates in Objective C and Java.
- Compile patched Titanium framework from source.

- Head the development team for full development of the solution.
- Train and recruit new members of the team.
- Develop ViryaNet Field into a working product for use by G4 customers as their mobile solution
- Implement strategies for internationalisation

Company: ViryaNet, Inc (US)
Start Date: April 2011 - Mar 2013 (1 year, 11 months)
Position: Chief Architect
Project: G4 core development
Responsibilities:

- ViryaNet G4 core Java web development (JSP/EJB)
- Contribute R&D towards designing and improving G4 API interface administration screens and tools
- BPM consulting. Business process design and implementation
- BPM system establishment and integration
- BAM architecture redesign - research and recommendations

Company: ViryaNet, Inc (US)
Start Date: January 2010 - Mar 2011 (1 year, 2 months)
Position: Chief Architect
Project: G4 BPM integration project
Responsibilities:

- BPM implementation (Intalio). Lead the evaluation, planning, execution, integration, process design, installation, training and delivery of the Intalio G4 BPM solution.
- Evaluate, rank and report a variety of BPM systems to suit company feature set and budget
- Install, review and test prospective BPM systems
- Plan and implement G4-BPM SSO integration (Java)
- Review product Java source code
- Learn the Intalio BPM system architecture, configuration and process modeling from Intalio documentation, web searches and experimentation
- Implement a new set of G4 blueprint processes, designed in collaboration with the business (G4 product and customers)
- Train customers in Intalio BPM and implementing the G4 BPM solution.
- Consult with customers on BPM business process design and integration.
- Document system configuration and installation.

- Create G4 BPM installers for Windows (Nullsoft) and Windows/Linux (ant script)

Company:	Groundhum Jan 2009
Start Date:	January 2009 (2+ years)
Position:	Founder
Project:	Doggie Go Go iOS game for iPad and iPhone

App store links: [iPhone](#), [iPad](#)

Responsibilities:

- Designed and created Doggie Go Go game for iPad and iPhone using XCode/ObjectiveC, Cocos2D, TexturePacker, ImageMagick and a bunch of bash scripts
- Game is a continuous side-scrolling interactive cartoon. A pug on a pogo stick jumps through a night or day world full of animals and objects that animate when touched
- In-app purchase enables a nighttime level of the game
- Game has an optional goal to collect toys with a reward if goal completed
- Created source control workflow using git, truecrypt and dropbox for cheap, secure, effective source control
- Licensed and selected all sounds and music for the game
- Wrote bash scripts to automate spritesheet generation and image resizing for iPad and iPhone including iPhone retina displays
- Found and hired an illustrator to produce the game art
- Created game animation framework to organize images into spritesheets and adjust properties of images using an XML file
- Promoted game through groundhum.com, machackshack.com and twitter account @doggiegogo and @groundhum
- Game utilizes OpenGL ES hardware acceleration - all animations occur in hardware

Company:	Groundhum Jan 2009
Start Date:	January 2009 (2+ years)
Position:	Founder
Project:	Home Health Agency finder iOS app for iPhone

App store links: [iPhone](#)

Responsibilities:

- Created app to search for nearby home health agencies
- App supports searching any state in the US, postcode, name search and radius search around current location
- Agency data displayed includes address, phone number, map of location and quality measures including graphs

- Data managed in local sqlite db using Core Data
- Wrote SQL scripts to import agency data into sqlite data store

Company:	Groundhum Jan 2009
Start Date:	January 2009 (2+ years)
Position:	Founder
Project:	Reef Fish Book, Reef Fish, Reef Fish Lite iOS app for iPhone and iPad
	App store link: iPad, iPhone/lite
Responsibilities:	

- The Reef Fish apps are a collection of my best diving photos viewable on the iPad or iPhone
- The app implements a full-screen photo viewer with swipe controls
- Photos are browsable by category and searchable by name
- Each photo has a title and description and links to Wikipedia for more information

Company:	Groundhum Jan 2009
Start Date:	January 2009 (2+ years)
Position:	Founder
Project:	Proof of concept game for iPhone and iPad (not released)
Responsibilities:	

- Created four levels of proof-of-concept game to learn Cocos2D toolkit
- Fast-paced strategy game
- Game includes on-screen level editor, menu, scene selection and four playable levels
- Boundary detection system
- Timing, point scoring, goal detection
- Monster selection and swarming behaviours
- Generic reusable trap mechanism
- Automated many game development tasks using xml files and scripts (sprite generation and resizing, xml configuration files)
- Explored boundaries of large numbers of sprites on-screen, memory management and animation callback handlers

Company:	ViryaNet, Inc (US) Sept 2007
Start Date:	January 2009 - Dec 2009 (1 year)
Position:	Chief Architect
Project:	Ekatra Home Health Agency venture
Responsibilities:	

- ViryaNet Venture project Ekatra – Home Health Agency online referral web site
- Force platform, Amazon EC2, evaluate various appserver platforms and delivery models. Jan 2009 – Dec 2009
- Nominated as small breakaway group to research new business prospects for the company
- Research web hosting options including hosted rackspace, PAAS, Salesforce platform, Amazon EC2
- Review and evaluate web frameworks for use with an online business with sensitive health information
- Participate in establishing a business model for a venture into Home Health and visiting home health agencies to discuss their business needs and business practices
- Design basic prototype in the Salesforce force platform
- Review and assess security requirements of chosen online web framework
- Cold-call home health agencies
- Review Medicare home health agency public data
- Participate in branding, marketing position, pitch and domain name selection

Company:	ViryaNet, Inc (US) Sept 2007
Start Date:	September 2007 - Dec 2009 (2 years, 3 months)
Position:	Chief Architect, Mobile
Responsibilities:	

- Architected new mobile system using Microsoft .Net (C#).
- Researched application infrastructure (database, controls, i18n, logging, ORM).
- Researched application components and designing application integration points (Forms, Calendar, Mapping, Grids & Lists, GPS).
- Compared different Forms solutions (Adobe, Microsoft, open-source and others).
- Researched, reviewed and documented advantages of different IDEs for mobile development – Java, DotNet, Trolltech QT.
- Researched, reviewed and documented differing mobile databases (SQL Server – all editions, Oracle – all editions, SQLite, MySQL, PostgreSQL).
- Systems infrastructure design and research (replication services, communications layer, data transport layer abstraction and serialization, data concurrency control).
- System integration options including XML tools.

- Infopath stand-alone system integration options including XSD-driven data mapping between systems and Infopath control embedding.
- Responsible for research, review and comparison of industry mobile systems infrastructure (mobile application gateways and mobile application delivery).
- Responsible for defining project standards for C# coding, logging (Log4N) and internationalization.
- Building, installing, documenting and managing Subversion source control management system under Ubuntu as well as managing branch and merging procedures.
- Guiding developers through SCM branching and merging procedures.
- Release management.
- Development estimates.
- Agile software development using Scrum methodology.
- Installation and management of project Wiki (MediaWiki).
- Tracking personal research and development using git (google's msysgit).
- Developing in a geographically distributed software development team using online tools for collaboration (IM, Crossloop, Google Docs, Google Spreadsheets, VMs, VPN, SSL/SVN).

Company:	E-Wise Solutions (acquired by) Viryanet (US) Jun 2005, became Viryanet Australia
Start Date:	September 2003 - August 2007 (4 years)
Position:	Director of Engineering, Architect, Analyst/Programmer
Responsibilities:	

- Managed team of analyst/programmers to develop, extend and support the FOCUS mobile application product.FOCUS is the mobile application suite for Barwon Water, City West Water, Yarra Valley Water, Brisbane Water, Western Water, Visy and Building Commission.
- Pioneered the management, standards, procedures, workflow, support and training of the Viryanet Indian development team in Hyderabad.
- Designed and implemented changes to the Focus application server to tune, extend and add new features to the system.
- Implemented, managed and maintained the IT systems for the development team including Ubuntu CVS jail (source-control system), and Mantis open-source bug-tracking system on Windows/Apache/PHP/MySQL. Systems hosted on VMWare Server under Windows Server 2003.

- Worked as the architect on many projects to implement FOCUS at customer sites.
- Ongoing responsibilities included:
  - R&D team management – prioritization, analysis and delegation of work, work estimates, mantis (bug tracking) maintenance
  - Architect/Design of FOCUS (application server, updater, database)
  - Product research (database systems, application libraries etc)
  - R&D Planning - release management (future releases, current releases)
  - Team lead (helping the programmers implement)
  - Database change management
  - System administration – CVS, Mantis, Windows domain file server, gateway (vpn), administration servers on VMWare Server, remote access to customer sites (troubleshooting)
  - Project architect – responsible for design and technical documents
  - Mobile platform analyst
  - Analyst - support system choices and support issues
  - Sales support – estimates and gap analysis for current and future clients
  - CVS maintainer and policy-maker
  - Technical stop-gap for more difficult application questions
  - Consultation with front-end architect on design approaches, especially those that require Application Server involvement

Company:	FieldAtWork
Start Date:	March 2002 - Aug 2003 (1 year 6 months)
Position:	Team Leader, Architect, Senior Analyst/Programmer
Responsibilities:	

- Lead a team of developers and ownership of the product design for a mobile web portal.
- Mentored junior developers in Java and application development
- Helped win early contracts for this start-up company in challenging conditions and with early beta software.
- Designed, developed and expanded mobile web portal. Utilized Tomcat, JSP, JDBC, Oracle 8i, PostgreSQL, SQL Server 2000.

- Implemented mobile solutions for Shell New Zealand (Minitankers), Concord Park, Australian Meter Reading Systems (AMRS), Australian First Aid Supplies (AFAS) and many others. Utilized FieldAtWork mobile framework on Symbol, Palm and Windows Pocket PC mobile devices.
- Ported mobile framework to PostgreSQL and Oracle from SQL Server 2000.

Company:	E-Wise Solutions
Start Date:	March 2000 - Feb 2002 (2 years)
Position:	Senior Analyst/Programmer
Responsibilities:	

- Ansett: Vantive Developer 8.x – Customer Driven Interaction (CDI) Ansett VOICE customer feedback system
- Ansett: Vantive Developer 8.x – Customer Profile Repository Ansett master customer profile repository
- Ansett: C coding HP-UX 11.0, Oracle 7.3.4.5, IBM MQ 5.0 interfacing with VMS and UNIX back-end systems
- Ansett: VB 6 Document Viewer/Document Filer
- Ansett: Designed and implemented Java interface to legacy mainframe reservation systems. Java, Oracle 7.3.4.5, MQ 5.0
- Shell: Designed and implemented VB 6 Shell Australia retail document integration using SAP BAPI interface, FTP and document parsing.

Company:	University of Queensland
Start Date:	January 1999 - Feb 2000 (1 year)
Position:	Web Developer/Administrator
Responsibilities:	

- Write & debug ASP/Visual Basic code in Visual Studio on university web enrolment site (~300 concurrent clients, 27,000 student user-base)
- Write & debug SQL Server 6.5 & 7 Stored Procedures
- Liase with clients (staff and students) to detect bugs and develop feature requests
- Administer/Install four IIS production servers and development server
- Administer two SQL Server 6.5 servers (Production & Development)
- Administer SQL Server 7.0 Cluster Server (active-active). Also responsible for porting port old SQL Server 6.5 data to this production server.
- Write back-end synchronisation software in Microsoft Visual C++ using SQL Server 6.5/7 db-lib C routines.
- Manage staff/student registration through web, email and phone

- Assist in developing technical solutions and trouble-shoot other smaller projects

Company: University of Queensland
Start Date: January 1994 - December 1998 (4 years)
Position: Analyst/Programmer
Responsibilities:

- Design, develop, implement and support an administrative database system across 3 university departments in Microsoft Access 97
- Develop computer support database system
- Work closely with non-technical clients to develop technical solutions
- Windows NT network administration
- SMTP/Web server administration
- Implement fileserver tape backup and restore methods
- PC helpdesk software support and training
- Maintain hardware and network infrastructure
- Order and deploy new hardware
- Teach basic computing
- Technical advisor on research projects
- Consultancies – Australia (Aboriginal community) and overseas (University of Papua New Guinea) including database development and teaching.

Referees:

See LinkedIn profile:
https://www.linkedin.com/in/christian-clare-2a54344/