Chris Camaratta

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PROFILE

Fun to work with. Serious about quality. Automates everything. Troubleshoots complex problems that leave others scratching their heads. Over a decade of experience maintaining and modernizing a range of software spanning numerous technologies.

KEY SKILLS (not exhaustive)

Expert	Proficient	Experienced
- JavaScript (ES5, ESNext) - Front End SPA Frameworks (Angular, React, Vue, Backbone, etc) - Jest, Jasmine, Mocha, etc - Build systems (WebPack, Babel, etc) - Node JS - HTML, CSS, SASS/SCSS - OAuth2 - Git, SVN - CI Tools (Jenkins, TeamCity, etc)	- C#, C++, PHP, VB.NET, ASP .NET - MS SQL Server, MySQL, PostgreSQL - CppUnit, NUnit - Mac, Linux - Web Security (HTTPS / SSL / TLS)	- AWS - Java - Apache Webserver - Linux, Green Hills INTEGRITY, POSIX

EXPERIENCE

Senior Software Designer
November 2015 - Present

Leica BioSystems (Danaher), Vista, California

Hired to lead development of web version of flagship pathology image viewer. Responsibilities expanded to include roles of ScrumMaster and System Architect for all R&D products

- Upgraded system security by implementing TLS across all components and adding OAuth2 logon server
- Decoupled component builds enabling more rapid deployment of critical fixes and features to customers
- Created shared libraries enabling consistent user and developer experience across multiple projects

Lead Web Developer
July 2014 - November 2015

StoryCloud, San Diego, California

Lead for a group of engineers developing a variety of web and mobile applications and utilities that allow users to share and control access to a variety of content. Work with business partners to gather requirements, write and prioritize, and evaluate stories in an agile-like environment

Senior JavaScript Developer
August 2012 - July 2014

Mitchell1 (Snap-On), Poway, California

Hired to coach .NET-centric team in industry best-practices for JavaScript development. Role expanded to include company-wide auth systems and industry-wide interoperability protocols

- Pioneered the establishment of standard authorization systems and protocols to be utilized across all public-facing Repair Information and Shop Management products
- Chaired and collaborated with the working group consisting of representatives from Mitchell1, Epicor, AllData,

and Hunter and spec'd the next-generation iShop Information Server for communicating diagnostics information between devices, services, and various other platforms
- Developed infrastructure for sharing UI components and transferring information between Mitchell1 and partner applications based on the Web Intents specification
- Architected a multi-tenancy mechanism for hosting several products from the same hosting environment
- Converted hundreds of unstructured JavaScript and .NET MVC3 files to a modular Backbone/Marionette based architecture backed by RESTful .NET WebAPIs to be consumed by both the primary app and shared Web Intents
- Instituted JS unit testing as a standard practice and incorporated these UT's into Continuous Integration process
- Refactored away 30 projects of process-heavy DAL code and replaced it with one lightweight repository layer, reducing the overhead associated with new development and making the codebase easier to understand
- Developed a reusable set of Backbone views that abstracted common presentation needs such as dialogs, accordions, auto-complete search fields, among others

Software Lead   August 2008 – August 2012
Northrop Grumman, San Diego, California
Responsible for development, testing, integration, and delivery of several infrastructure components of the Airborne and Maritime / Fixed Station Joint Tactical Radio Systems (AMF JTRS) project. Scope included all common libraries, the Core Framework, and the Web HMI user interface
- Developed and maintained the build architecture used by the program's software engineering team
- Completed a bottom-up redesign of the CORBA transport layer facilitating the automatic re-establishment of communication between clients and servants after a partial system shutdown
- Refactored re-use software to support unit testing resulting in the identification and correction of numerous memory leaks and errors in off-nominal execution code paths
- Established end-to-end software development process using scripts on top of ClearCase, including automated builds of Rhapsody models
- Created numerous productivity enhancement utilities to aid in the reduction of errors for repetitive and error-prone tasks, such as determining flash footprint or labelling changed files associated with a defect report

Freelance Web Developer   November 2004 – November 2011
The House of Staunton, Huntsville, Al
- Responsible for development and maintenance of up to five front-facing ecommerce storefronts. Designed client-side solutions that should normally be handled by a server but weren't due to legacy and budget considerations. Solutions included template systems for product display, product comparisons, custom "design your own combo" tools, upsell screens, testimonials, product option selection, and many others as requested
- All solutions tested against the websites' highest ranked active user agents at the time of release and continually regression tested to ensure compatibility as the storefronts aged

Software Engineer   July 2007 – August 2008
Intel Corporation, Phoenix, Arizona
- Responsible for developing and maintaining web-based applications. Serve many roles on each project, including business analyst, database engineer, web developer, and system administrator
- Lead developer for the "e-Ticket" application, a time-saving tool used by manufacturing to diagnose and resolve common PC-related problems
- Developed a reusable framework component that supplies authentication and authorization tools, data access logic, page and email templating, consistent error handling, and a host of custom programmer utilities and user-interface controls
- Designed and sustained applications that allow Intel factories to summarize and report key performance indicators and enable valid factory-to-factory comparisons using a variety of front-end interfaces
- Designed and implemented a staffing web reporting tool that tracked daily work center headcount against minimum levels

Automation Engineer   May 2005 – July 2007
Intel Corporation, Hudson, Massachusetts
- Responsible for configuration, deployment, and support of over 200 networked Windows-based PCs
- Designed control systems for factory inventory management tools. Responsible for selecting appropriate hardware and installing custom software to replace the standard XP shell

Manufacturing Technician   May 2000 – May 2005
Intel Corporation, Hudson, Massachusetts
- Assisted in the development and fine-tuning of several manufacturing processes that resulted in improved clock speeds for multiple lines of Intel's microprocessor and chipset products

Submarine Nuclear Reactor Operator   May 1994 – May 2000
United States Navy, Groton, Connecticut

- Founding member of the Network Systems division onboard USS Albuquerque; responsible for the administration, maintenance, setup, support and security of all shipboard networked computer systems
- Diagnosed, isolated, and repaired component-level equipment malfunctions in electronic systems utilizing schematics, blueprints, technical manuals, and system knowledge

EDUCATION

Information Technology, Bachelor of Science   November 2005
University of Phoenix, Westborough, Massachusetts campus
GPA 3.92/4.0

Studies focused in application development, IT project management, software design, technical planning, and business case analyses. Created working prototypes for numerous web site projects and desktop applications

US Navy Certifications   May, 1998
- Qualified Electronics Technician Maintenance Supervisor (NEC 3373)
- Qualified Nuclear Reactor Operator (NEC 3353)