



Principal Software Engineer with 20+ years development experience on web, mobile, and desktop.

- Full stack web developer
- Analytical thinker
- Strong problem solver
- Agile, test driven, user centered
- Team player
- Pragmatic

Elixir, Phoenix, Ruby, Rails, Go, JavaScript, C/C++, SQL, Postgres, Redis, Rabbit, Ansible, Linux, AWS, Android.

Professional Experience

The Chemistry Group (2017 – Present).

Principal Software Engineer. Created a data explorer and analysis application allowing the science team deeper access to the underlying assessment data. Worked with product team to architect a new microservice platform to replace a variety of ad-hoc tools for Chemistry's assessment processes (Ruby/Rails app with Go microservices, RabbitMQ, Postgresql, AWS). Planned migration of production systems out of legacy data-center and into AWS cloud infrastructure.

Various (2014 – 2017).

Independent Consultant on a variety of projects. Developed a unique travel planning web application at TripGrid. Rebuilt the core editing panel for an enterprise project management web application at LiquidPlanner. Developed an educational academy-as-a-service platform for customer education at AcademyIO.

LiquidPlanner, Seattle WA (2007 – 2014).

Principal Software Engineer, the 2nd employee for this profitable and growing SaaS startup, created an innovative online project management web application for capturing uncertainty using ranged estimation and probabilistic scheduling to create realistic and trusted schedules.

- Principal developer for common architecture and patterns
- Provided team leadership, mentoring, documentation, presentations, process, and culture
- Interviewed and recruited a strong dev team from just 2 up to 15 (and still growing)
- Administered and supported live SaaS web application through 46 release cycles
- Developed native Android application, supporting both phones and tablets
- Automated configuration, deployment, and operations
- Ruby, Rails, JavaScript, SQL, Postgres, Redis, Linux, Puppet, Java, Android

Stellent Inc, Redmond WA (2001 – 2006) – acquired by Oracle.

Senior Software Engineer working on architecture, design and development of industry leading web content management platform used to create, manage and contribute to multiple web sites and web applications. Lead member of the team that created Stellent Site Studio, an award winning, in-context web content management product (JavaScript, AJAX, and C++). Programmer for Stellent Content Publisher, used for converting native desktop documents to HTML for publishing to a web site. Ported core engine to Solaris and Linux (C++).

Webforia, Bellevue WA (2000 – 2001).

Software Engineer on all 3 tiers of Webforia's Business Communities web site, built with ASP/HTML/CSS presentation layer, C++ business logic components and ADO data access layer connected to MS SQL Server database. Developed, installed, configured and supported the distributed, load balanced web app software and hardware architecture.

Logica Inc, Lexington MA (1996 – 2000).

Software Engineer on various projects for large international consulting firm. Technical lead for development and maintenance of financial components for a banking product (C/C++). Redesigned legacy banking product for migration to a web-enabled component-based architecture. Developed client-side installation programs. Developed automated performance testing tools. Member of Logica's Technology Leadership Council.

Taxsoft Limited, London, England (1994 – 1996).

Software Engineer for full lifecycle of corporation tax windows desktop products, including requirements analysis, unit design, specification, implementation and testing. The products were developed using C++ and MFC/Win32.

Education

B.Eng. (Hons) degree in Computer Science (1990 - 1994)

Imperial College of Science, Technology & Medicine, London, England

<http://www.imperial.ac.uk/about/>

Open Source

Personal blog - <http://codeincomplete.com>

Open source projects - <http://codeincomplete.com/projects>

Fun javascript games - <http://codeincomplete.com/games>