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## Profile

**Principal Software Engineer** with 20+ years development experience on web, mobile, and desktop applications using Ruby, Rails, JavaScript, SQL, Java, Android, C/C++, Linux, Ansible, and more.

- Full stack web developer, comfortable on front end, back end, dev-ops, or mobile.
- Analytical thinker, skilled at taking initial requirements through to final implementation.
- Strong problem solver, consistent ability to resolve issues or provide alternatives.
- Team player, able to lead and mentor others and encourage communication.
- Enjoys agile, iterative, test driven, user centered development.
- Pragmatic.

Find out more at: <http://codeincomplete.com/about>

## Professional Experience

*TripGrid, Portland OR – <http://tripgrid.com>*

*October 2015 - Present*

**Principal Software Engineer** (contract). Developed MVP for unique travel planning web application. Performed requirements analysis, project management, development, operations, and mentored junior development team. Dynamic Javascript UI (vue.js), Ruby on Rails API with Postgres and Redis, and hosted on AWS. Automated operations with Ansible, Capistrano, and CloudFormation.

*Academy IO, Portland OR*

*October 2014 – August 2015*

**CTO and Co-founder** building an *academy-as-a-service* platform to enable SaaS companies to construct an educational experience designed for their customers, and integrated seamlessly within their own products. An embeddable javascript *lesson-player* web component and a back end for managing educational content, built with Ruby, Rails, Postgres, Redis, and hosted on AWS.

*LiquidPlanner, Seattle WA - <http://liquidplanner.com>*

*March 2007 – July 2014*

**Principal Software Engineer**, the 2<sup>nd</sup> 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.
- Technologies included Ruby, Rails, JavaScript, jQuery, AJAX, Java, Android, Puppet, Capistrano, Nagios, Redis, Apache, and Postgres on Ubuntu Linux stack.

*Stellent Inc, Redmond WA (acquired by Oracle)*

*April 2001 – December 2006*

**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*

*February 2000 – March 2001*

**Software Engineer** on all 3 tiers of Webforia's Business Communities web site, involving 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*

*July 1996 – January 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 (now Sage), London, England.*

*November 1994 – June 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 (August 1994).**

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

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

## Technical Skills

- **Languages:** Ruby, JavaScript, Java, SQL, C#, C++, C, HTML, CSS.
- **Libraries & Frameworks:** Ruby on Rails, jQuery, Vue.js, Android.
- **Databases & Servers:** Postgres, Redis, Apache, Nginx.
- **DevOps:** Ansible, Puppet, Vagrant, Nagios, New Relic, Pingdom, PagerDuty, etc.
- **Platforms:** AWS, Digital Ocean, Linux, OS X, Windows, Android.

## Side Projects & Open Source

- <http://codeincomplete.com> - Personal Blog
- <http://codeincomplete.com/projects> - Open Source Projects
- <http://codeincomplete.com/games> - JavaScript Games