

# Fred McHale

**Software Engineer • Project Manager • Instructor**

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## Summary

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Always ready for a challenge and comfortable performing multiple roles. Development is not only a career choice it is also a passion. Working on a team of driven individuals makes the road to success much more rewarding. Having the opportunity to learn and educate adds to the satisfaction of delivering exciting results.

## Skills

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### Languages

Ruby, Python, Java, Javascript, HTML, CSS, SQL, XML

### Servers & Databases

Geronimo, Tomcat, Apache, Oracle, MySQL

### Software Methodologies

Object Oriented Design/Programming, Agile Methodologies, TDD, Design Patterns, DRY

### Web Technologies/Frameworks

REST, AJAX, JSON, jQuery, ExtJS, Rails, J2EE, CoffeeScript, Mobile App. Development, Flask

### Development Tools

Mercurial, Git, Subversion, vi, Eclipse (Mobile and Java Web Development), Chrome Developer Tools, Firebug, Adobe CS4 Suite

## Experience

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### Academy of Art University - Graduate School of Web Design & New Media, Instructor (2011 - Present)

- Instructing and mentoring master degree candidates in courses focusing on beginning and intermediate web programming, web design and user experience.
- Creating and updating course lectures and projects to include current web standards, technologies and best practices.
- Evaluating student progress and performance against current industry standards.
- Observing faculty and conducting peer reviews on instruction methods.

### Cisco - Engineering Learning & Dev. Solutions Group, Software Eng/Project Manager (2007 - Present)

- Visualizing and implementing the web architecture of the Engineering Learning & Development Solutions Group
- Continually work with cross functional groups throughout Cisco to create a web presence for various Cisco events and technology courses.
- Requirements gathering, design and implementation of proprietary web application using various front and back end technologies.
- Hosting user experience sessions in the Cisco User Experience Lab.
- Contributing to the open source community.

### Kern County Auditors Office, Web Developer (2006 - 2007)

- Designed, developed and tested web applications created in C# and the .NET framework for use by county employees.
- Maintained legacy finance applications and databases.
- Requirements gathering for future application development including interviews and follow-alongs to gain understanding of user needs.

### California State University Bakersfield, Computer Science Research Assistant (2005 - 2006)

- Instructed undergraduate introduction to HTML and Javascript courses which included lecturing, tutoring and grading.
- Setup and maintained secure and open network labs for faculty research and student assignments.
- Assisted faculty in creation of publications.

## Education

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### California State University Bakersfield, Bakersfield, CA (Graduated 2007)

- Bachelor of Science, Computer Science. Minor: Business Administration