

Ross Dakin

Unit #572
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OBJECTIVE Software development role at a dynamic company.

EDUCATION **Santa Clara University**, Santa Clara, CA 2003 – 2007
BS, Computer Engineering

Queensland University of Technology, Brisbane, Australia Fall, 2005
Study Abroad Program

SKILLS
Languages: JavaScript, Perl, Python, PHP, C, C# (.NET), Java, Shell Scripting (Bash)
Databases: Relational (MySQL, PostgreSQL), "NoSQL" (CouchDB, MongoDB)
Web (Back End): Servers (IIS, Apache, nginx), Frameworks (Django, Mason, Smarty)
Web (Front End): HTML 5, CSS 3, AJAX, Comet, Haml, Sass, Toolkits (YUI, jQuery)
Services: Rackspace Cloud, Amazon Web Services, Google App Engine

EXPERIENCE **LiveOps, Inc.**, Santa Clara, CA 2007 – Present
Software Engineer

- Led development of a JavaScript API for implementing web-based soft phones:
 - Used the JSONP paradigm to communicate with REST API servers.
 - Ensured full documentation coverage (public and private) via JSDoc.
 - Handled cascading library dependencies with the "Sprockets" Ruby tool.
- Inherited and owned a real-time soft phone web application:
 - Created a C# .NET control for embedding in Windows Forms applications.
 - Upgraded the server-push notification strategy from using a persistent TCP socket in a Java applet to using a pure JavaScript faux-persistent connection via the "Comet" paradigm (Cometd.org, Bayeux protocol).
- Developed various features for a Mason-based web platform:
 - Extended a proprietary Perl ORM when defining new classes.
 - Authored and modified MySQL schemata as needed.

Dakin Technical Consulting 2003 – 2007
Sole Proprietor

- Services: web development (front/back end), networking, system admin, etc.
- Clients: logistics firm, radio station, car dealership, restaurant, non-profit, etc.

EDO Reconnaissance and Surveillance Systems, Morgan Hill, CA Summer, 2006
Software Intern

- Modified the X/Motif UI of a RADAR detection product running on Sun Solaris 9.
- Implemented a web-based inventory management system using PHP and MySQL to track the location of thousands of pieces of test equipment via RFID tags.

Santa Clara University, Santa Clara, CA 2004 – 2006
Help Desk Technician

- Provided first-level technical support for all staff and students.

PERSONAL Conversational in Spanish language (written and spoken); avid philanthropist (LiveOps Foundation board member; led employee volunteer program); enjoys customer contact; thrives on creatively solving interesting problems; loves music, sports, and travel; part-time ski patroller (level 2 AIARE avalanche certified); current EMT student.