

# Justin R. Middleton

415-894-5595 • jrmiddle@gmail.com

## Summary

A senior technology professional with sixteen years of experience developing applications, building teams, and executing projects in the consumer mobile, internet marketing and b2b, and biotech industries.

## Skills

- Development in Python, Objective-C (iOS), Java, and Perl.
- Use of Django and web2py frameworks for Python web development.
- Use of MySQL, PostgreSQL, and Oracle database.
- Data analysis using GNU R, Python, and MS Excel.
- UNIX command line fluency.
- Management of software projects and development life-cycle (Waterfall, Scrum, etc).
- Employee selection, performance review and feedback, and management of staff and organizational change.

## Work History

**LoadOut Technologies:** <http://www.loadout.co>

Lafayette, IN

### **Consultant, LoadOutNews Aggregation Platform (November 2012—present)**

- Lead iOS client development. Drive source code modernization, scalability, extensibility and UI conformance.
- Lead backend development of platform stack, based on web2py and PostgreSQL.
- Drive ops automation and monitoring initiatives.
- Mentor junior contributors, manage project, and document process.

**Sugar Publishing, Inc:** [www.sugarinc.com](http://www.sugarinc.com)

San Francisco, CA

### **Mobile Engineering Manager, ShopStyle (February 2012—September 2012)**

- Manage three-person group in charge of mobile development on the ShopStyle team.
- Define and lead releases of the ShopStyle and Sugar Publishing iOS apps, and the ShopStyle mobile website.
- Contribute code to native (iOS) and web (Java) stacks.

### **Content Engineering Manager, ShopStyle (July 2010—June 2012)**

- Lead team for product content acquisition, configuration, deployment and maintenance for over 1000 retailers in the United States, England, France, Germany, Japan, and Australia.
- Own content import toolchain and affiliate network integration code.
- Manage two offshore vendor teams (Mumbai, India and Dalian, China) providing crawler development and support.

**Microsoft, Inc:** [www.microsoft.com](http://www.microsoft.com)

Palo Alto, CA

### **Senior Program Manager, Premium Mobile Experiences (April 2008 – July 2010)**

- Led BI/Reporting and Instant Messaging development for Microsoft KIN product, including requirements specification, capacity planning, partner coordination, architecture, design, and implementation.
- Led overall KIN service-side international release to four European countries.
- Played key program management and database engineering roles supporting triage and recovery operations during the Fall 2009 Danger service outage.
- Worked with employees, peers, and senior management to smooth transition from Danger to Microsoft, identify and retain key team members, and remediate personnel, performance issues, and software license and liability issues.

**Danger, Inc: [www.danger.com](http://www.danger.com) (acquired by Microsoft, 14 April 2008)**

Palo Alto, CA

**Core Service Engineering Manager (January 2006—April 2008)**

- Led development team responsible for core Danger service components, including Social Network integration, device-service communications, instant messaging, media transcoding, and web services frameworks (US Patent [7693953](#), “System and method for providing web services for wireless communication devices.”)
- Led sustained engineering team Palo Alto, CA and Kyiv, Ukraine; responsible for continuing development of Danger service backend and 24/7 support for production escalations in cooperation with network and systems operations staff.
- Responsible for Tier 3 24/7 support of production services, including triage and coordination with external service providers such as AOL, Yahoo!, and MySpace.
- Led service-side investigation and implementation of license and security remediation process as part of Microsoft’s acquisition of Danger.

**Software Engineer (December 2004—January 2006)**

- Developed a drop-in replacement for Danger’s RADIUS carrier integration system.
- Developed ishell, a Python extensible command-line shell with GNU readline support and automatic on-line help generation.

**Build Engineer (April 2003—December 2004)**

- Responsible for automation, maintenance and deployment of build systems, management of Perforce software repository, release deployment, and Makefile maintenance.
- Created a distributed build tracking system using Python & PostgreSQL.
- Implemented a mail-based collaborative build system to facilitate collaboration between Palo Alto and Japan.

**Gene Logic, Inc: [www.genelogic.com](http://www.genelogic.com)**

Berkeley, CA

**Software Engineer II (October 2001—April 2003)**

- Responsible for creation and maintenance of tools facilitating the integration of clients’ gene expression and clinical sample data into Gene Logic’s data warehouse system, GeneExpress.
- Developed the IPC::System3 Perl Module to simplify async I/O programming.
- Wrote web front ends to various GNU R statistical analysis scripts.

**Swan Systems, Inc.**

San Francisco, CA

**Engineer, Cofounder, Swan Systems, Inc. (October 1997—August 2001)**

- Founder and core developer on Swan’s original “Hyphen” product, a hosted application for managing advertising and brand-management documents, and competitive research.
- Bootstrapped technical recruitment and management, systems and database administration, and software configuration management positions.
- Led New York Office infrastructure and hiring, including planning and build-out of technical infrastructure for the New York office, and hiring and management of support staff.
- Oversaw systems and network administration.

**Genentech, Inc: [www.gene.com](http://www.gene.com)**

South San Francisco, CA

**Senior Programmer/Analyst, Genentech, Inc.**

**Consultant March 1996 – January 1997**

**Staff January 1997 – October 1997**

- Developed Genentech's first web-based business and lab workflow apps, including a corporate purchase order workflow system, an assay request system, and regulatory collaboration and document management tools.
- Managed the implementation of WebTrends webserver log analysis tools.
- Integrated AltaVista Forum authentication into Genentech's corporate authentication framework.

## **Education**

- University of San Francisco 2007-2009, B.S. Applied Economics. Graduated with College Honors.
- University of Illinois at Chicago from 1994-1996, focus in math and computer science.
- Illinois Central College from 1991-1993, major in Computer Science.