Mike Leone
Software Architect / Technical Lead

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mikeleone.com

AREAS OF EXPERTISE

Web Software Development: Developed web applications using Ruby on Rails, Node.js, Django, Python and MeteorJS. Delivered many successful products for both startup and enterprise clients. Familiar with wide range of tools for development, testing, continuous integration, debugging, and profiling. Experienced integrating web applications against many APIs, including web services, network devices and Linux console applications.

Infrastructure and Release Management: Experienced with designing and configuring wide variety of Linux environments (rack servers, EC2, specialized hardware), installing and maintaining web applications, external service integration, and performing monitoring and reporting. Experienced in managing complex release and code branching workflows in git and subversion.

Database Management: Experienced with many database management systems, including PostgreSQL, PostGIS, MySQL, MongoDB, Oracle, SQL Server, and SQLite. Optimized the database layer of many dynamic, production web applications.

Mobile Application Development: Designed and developed mobile phone applications for various platforms using Ruby, Scripting Layer for Android, and JavaScript. Developed an open-source mobile web application using jQuery Mobile and Yahoo! Query Language (YQL).

Technical Writing: Experienced in writing internal engineering documentation, user documentation, project plans, estimates and scopes of work. Conducted training and instruction for domain-specific writing.

PROFESSIONAL EXPERIENCE

Independent Consultant: *Software Architect*   Providence, RI   2014 to Present

Serving as a senior engineer and technical lead on software engineering projects for a variety of industries.

Served as senior engineer and architect at WeSpire. Used Rails, CoffeeScript and many external services to build a large gamification platform for employee engagement. Estimated and planned projects. Hired and mentored developers.

Served as lead developer for a Boston-based calendar app startup. Built and maintained server-side functionality for an iOS mobile app using Node.js, MongoDB, and the Twilio API. Integrated back-end functionality with a real-time mobile application and SMS infrastructure.

Panoptic Development: *Founder and Principal, Engineering*   Providence, RI   2009 to 2013

Served as principal, software architect and application developer for Panoptic Development, a software engineering consulting firm. Worked as developer, release manager, and technical lead for both internal and contract projects. Wrote proposals, project plans, and technical documentation for a variety of large, successful software projects. Closed over $1M in software project deals.

Served as architect and technical lead of several projects, including a Django application for clinical research and analysis for a large healthcare organization (Lifespan). Developed an information system to manage all faculty position and appointment data for major university (Brown) using Ruby on Rails. Developed a large-scale transportation management platform (RIDE Connection) using Ruby on Rails and PostGIS, and a consumer site for sharing high-resolution, 360-degree images (Gigapan).

Public Display: *Senior Software Engineer / Technical Lead*   Providence, RI   2006 to 2009

Developed various user interface and program logic components for FuseCal, a consumer web application for parsing and managing calendar feeds. Led release management, configuration management, and acceptance testing efforts for FuseCal.

Served as technical lead on a software integration project for defense and law enforcement. Developed a mobile video surveillance system using Ruby on Rails, remote network cameras, custom video encoding software, and a custom Linux environment.

OPEN SOURCE PROJECTS

mobile music (http://github.com/mleone/mobile_music): Created a mobile web application that finds local concerts. It uses HTML5, jQuery Mobile, Yahoo! Query Language, and the JamBase Concert API.

broadcast (http://github.com/mleone/broadcast): Designed and developed an embedded Android application for remote device management. The project is the first of its kind developed in ruby.

ruby-gcal (http://github.com/mleone/ruby-gcal): Developed a Ruby library implementing the Google Calendar API. ruby-gcal is also the first Ruby library to implement Google's batch processing API.

EDUCATION

University of Rhode Island   Kingston, RI

Bachelor of Science in Computer Science, Bachelor of Science in Applied Mathematics, Minor in Writing.