

Laran Evans

Contact:

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Objectives

- To develop and integrate software systems that accelerate the pace of innovation and human understanding about the world in which we live.
- To work as part of an organization that values risk taking and invention as key components in a culture of development, growth and achievement.
- To excel as an individual contributor and decision maker on technical matters.

Experience

President and Principal Developer

Evans Codeworks Inc.

December 2007 - Present

Ithaca, NY

- Planned, Architected and Developed innovative custom CRM and data acquisition applications
- Managed teams of up to 5 developers

This project started out of an interest in expanding my technical skillset. I developed and nurtured relationships with businesses in the Finger Lakes region to generate project work. The work quickly became more than I could manage alone during my nights and weekends. So I assembled and coordinated teams of developers and Web designers to help complete these projects.

The nature of these projects varied from a device driver and custom desktop application for a manufacturing company, to a high-volume data acquisition and analysis tool for an SEO company, to a data conversion and delivery tool for a company specializing in electronic books, to a billing and CRM application for a hardware engineering company to a web services platform for a service provider to the banking and industry. These applications were built using a wide array of technology stacks including Ruby on Rails, J2EE, Javascript, C/C++ and .NET among others.

My biggest accomplishment in this position was simply being able to manage the responsibilities and time requirements of my clients while maintaining my full-time responsibilities at Cornell.

Technologies Used:

VB.NET, ASP.NET, PHP, CSS, Ruby on Rails, Web Services, J2ME, XML-RPC, Wordpress, CakePHP, AJAX, JQuery, SQL Server 2008

Lead Developer for Kualo Implementation

Cornell University, Central IT Division

June 2009 - Present

Ithaca, NY

- Technical leadership of two teams.
- Partially responsible for training and skill development of technical staff.
- Responsible for technical architecture decisions related to implementation of the Kualo Financial System at Cornell.
- Developed a static code analysis tool to show a complete dependency graph of the entire financial system.

In this role my primary responsibility is to make technical implementation decisions. This involves reviewing requirements specifications and business analysis documents and proposing one or more (I usually aim to provide at least three) technical implementation plans including architecture and integration strategies. After an open review process which includes both functional and technical team members, my job then focuses on producing a high-quality deliverable.

One major contribution I made as an individual contributor as opposed to a team leader was a static analysis tool custom-designed for the Kualo Financial System. This system leverages an understanding of coding conventions in tandem with bytecode inspection and analysis to provide a complete dependency graph at several levels of granularity. I designed this system from scratch and built a prototype using Ruby on Rails. This allowed me to demonstrate the capabilities of the tool to various potential stakeholders and gather feedback. After a few iterations in Ruby I then rebuilt the application as a Java web application (using Spring MVC and JPA with Hibernate) for production use to allow for better integration with our other enterprise systems (including KFS which is also written in Java).

Technologies Used:

Java/J2EE, Spring Framework, Tomcat, Ruby on Rails, MySQL, Oracle, JPA, Hibernate

Lead Developer for Kualo Financial System development

Cornell University, Division of Financial Affairs

September 2006 - June 2009

Ithaca, NY

- Technical leadership of geographically distributed development teams of 4 to 8 developers.
- Coordinating and leading technical analysis, design and development process.
- Coordinating efforts with other teams.
- Coordinating quality assurance process.

At the beginning of each release cycle I worked closely with functional stakeholders to understand functional requirements. I then developed technical specifications upon which the next ~9 months of work was based. Throughout the development cycle my responsibilities included providing guidance to more junior developers and developers new to the Quali Financial System, ensuring compliance with the overall Service Oriented Architecture around which KFS is built, adherence to test-driven-development (TDD) principles and smooth integration between our functional module and all other system modules. I also made significant contributions as an individual contributor in the form of code.

Over the course of this three year span I worked on the high-volume batch processing system and user interfaces that make up the General Ledger, the integration-focused Accounts Receivable module and the data-driven and highly-customized Contracts and Grants module.

Technologies Used:

Java/J2EE, XML, Oracle, Spring, Struts, OJB, Tomcat, Eclipse

Developer/DBA

Cornell University, Division of Financial Affairs

March 2005 – September 2006

Ithaca, NY

- Developer/DBA for a 785 table Oracle 10g database.
- Migrated nightly batch processes from COBOL to Java.
- Developed transaction processing system using Struts & OJB (Apache).

Technologies Used:

Java/J2EE, XML, Oracle, Spring, Struts, OJB, Tomcat, Eclipse, COBOL

Senior Programmer/Analyst

Cornell University, Division of Financial Affairs

June 2004 – March 2005

Ithaca, NY

- Technical leadership of 5 member development team.
- Migrated all financial applications from JRun4 to WebLogic 8.1.
- Developed new build system utilizing Ant.
- Significant performance tuning.

Technologies Used:

Java/J2EE, XML, Oracle, Toplink, WebLogic 8.1, JRun 4, JBuilder

Freelance Web Developer

Self Employed

July 2002 – June 2004

Ithaca, NY

- PHP/MySQL development for clients throughout the United States.
- Projects typically about 6 weeks in length and \$5K - \$15K.

Technologies Used:

PHP, MySQL, Cheetah

Java Software Engineer/Team Lead

Azurn Networks

April 2001 – July 2002

Waltham, MA

- Developed core XML processing platform.
- Developed an IO protocol to handle multi-modal (voice, video and data) conferencing.
- Developed an HTTP server for delivering customized content based on configurable device profiles.

Technologies Used:

Java/J2EE, XML, Oracle, OC4J, Eclipse, Nuance Speech Objects, WAP

Education

Master of Engineering, Computer Science

Cornell University, 2007

Coursework in Distributed Systems, System Security, Machine Learning, Information Retrieval, Technical Leadership, Entrepreneurship and Consulting.

Bachelor of Arts, Biology

Boston University, 1999

Research

Power-aware service replication in wireless sensor networks (Masters project).

Advisor: Dr. Robbert Van Renesse.

Toolkit for Analyzing Web Graphs: A toolkit to enable analysis of the evolution of the link structure of the Internet.

Advisor: Dr. William Arms

*Disease resistance: a benefit of sociality in the dampwood termite *Zootermopsis angusticollis* (Isoptera: Termopsidae)*

Side Projects

A best-of-breed project management and team collaboration tool developed in Ruby on Rails. This project incorporates the best ideas from over 75 other project management applications, best-practices in social media and corporate micro-blogging tools with some novel ideas.

An Internet-scale service bus that could be characterized as a combination of [Tarpipe](#), [Yahoo! Pipes](#) and the [Zembly Client Library](#).

Other Points of Interest

- Co-founder of Cyzygy Multimedia, a software development startup in Boston, MA.
- Member, Boston University Men's Crew team (undefeated freshman season).
- House Director, Delta Gamma Sorority, Cornell University, 2004-2007, (Co-managed a staff of 3, coordination of house upkeep and maintenance, and general health and safety of 49 17-21 year old girls).
- Formerly nationally ranked clarinetist.