Elizabeth Lingg

Senior Software Engineer IV at Apple

Summary

N/A

Experience

Senior Software Engineer IV at Apple

November 2015 - Present

   Cloud Infrastructure Platform Engineering - Compute Core Team

Engineering Manager at Mesosphere, Inc.

April 2015 - November 2015 (8 months)

   • Hands on Manager on the Datacenter Services Team, including integration of Datacenter Services
   (Distributed Applications on Mesos) into the Datacenter Operating System (DCOS)
   • Work with Partners, Customers, and the Open Source Community on making quality distributed
   applications for the DCOS
   • Open Source Project Owner and Lead Developer on Hadoop Distributed File System (HDFS) running on
   Apache Mesos, (https://github.com/mesosphere/hdfs)
   • Subject Matter Expert and System Implementer for Proof of Concepts (POC's) with high priority customers
   • Technical Mentorship and Education, including work on Internship Programs

Technical Lead Software Engineer at Mesosphere, Inc.

September 2014 - April 2015 (8 months)

   • Open Source Project Owner and Lead Developer on Hadoop Distributed File System (HDFS) running on
   Apache Mesos, (https://github.com/mesosphere/hdfs)
   • Open Source Project Owner and Lead Developer on Chronos, a Distributed and Fault Tolerant Scheduler
   running on Apache Mesos, (https://github.com/mesos/chronos)
   • Implemented the Java Version of the RENDLER, a web crawler and renderer for Apache Mesos, (https://
   github.com/mesosphere/rendler) in the first week of work
   • Subject Matter Expert and System Implementer for Proof of Concepts (POC's) with high priority customers
   • Engineering Lead on the Datacenter Services Hack Week, Worked with Open Source Partners and
   Customers on developing high quality applications running in the Datacenter

Technical Lead Software Engineer / Software Development Manager at Oracle

June 2013 - September 2014 (1 year 4 months)

   • Continued with previous work including designing and developing features for the reasoning engines of
   GRC products and the HCM recruitment product and also with Management roles

• Project Leader/ Head Developer for a new HCM product, which integrates with Wearable Computing Devices

• Successfully created the first version of the new product and presented/demoed it to Executives

• Lead Author of academic paper accepted for publication in the IEEE World Forum on the Internet of Things and Speaker at the 2014 Conference in Seoul

• Worked with Taleo, related to Acquisition, finding ways to use the best search technologies including implementations of Lucene frameworks

Senior Software Engineer at Oracle

July 2011 - June 2013 (2 years)

• Leading in the design, architecture, and development of specific features of existing products as well as on a new recruitment product created by the team

• As a member of the GRC "engine team" that works on the core reasoning logic for all products, used A.I., semantic web, and statistical techniques to reason over large data sets

• Gathered data from Social Networks (LinkedIn, Facebook, Twitter, etc) and create Global Profiles by identifying individuals and merging profiles from each connector source

• Queried Profile Data using IR techniques with Apache Lucene for the purpose of analyzing and scoring resumes and skill sets

• Scoring of resumes using metadata from graphs of skill sets created from WikiDB

• One of the key members of the team responsible for interviewing, evaluating, and making decisions on new hires

Software Engineer at Oracle

May 2009 - July 2011 (2 years 3 months)

· Member of a small "engine team" that develops the main reasoning engine for Oracle Governance, Risk, and Compliance Management Applications

· Developed A.I., semantic web, and statistical techniques using Java to reason over large amounts of data in the Application Access Controls Governor and Transaction Controls Governor and related products

Summer Analyst - Securities Lending at Goldman Sachs

June 2008 - September 2008 (4 months)

· Worked with team members to determine trading strategies in securities lending

· Implemented strategies first in MS Excel, then in Java with a UDB backend, integrating with existing trading systems

Software Engineer Intern - iPhone Applications at Apple Inc.

June 2007 - September 2007 (4 months)

· Helped set up servers at European carriers for the iPhone by implementing Perl test suite that wireless carriers must pass

· Developed social networking functionality as an extension to existing application in Objective C and C

Software Developer Intern - Developer Division at Microsoft

May 2006 - August 2006 (4 months)

 · Worked with team members to design framework enabling developers to more easily build smart client
 applications

 · Developed base classes for framework in C#

 · Created UI development framework to be used with Windows Presentation Foundation

Summer Intern - Exchange Server Customer Experience at Microsoft

June 2005 - August 2005 (3 months)

 · Resolved inefficiencies in sustained engineering workflow through tool development

 · Developed a database-backed bug tracking system in C#.NET and SQL

 · Created tool to automate time-consuming part of bug triage process

DARPA Grand Challenge, Red Team - Map Editor at Carnegie Mellon University

November 2003 - January 2004 (3 months)

 Determined course for autonomous vehicle to follow using map editor

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Education

Stanford University

M.S. Computer Science, Specialization in Artificial Intelligence, 2007 - 2009

Carnegie Mellon University

B.S. Computer Science with a Minor in Mathematics, 2003 - 2007

Activities and Societies: · President of Mortar Board, Carnegie Mellon Senior Honor Society · Carnegie
 Mellon Mock Trial · Second Place Witness, Mock Trial National Qualifiers · Carnegie Mellon Varsity Cross
 Country team

Carnegie Mellon University

B.S. Policy and Management, 2003 - 2007

Activities and Societies: · President of Mortar Board, Carnegie Mellon Senior Honor Society · Carnegie
 Mellon Mock Trial · Second Place Witness, Mock Trial National Qualifiers · Carnegie Mellon Varsity Cross
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Linked in

Contact Elizabeth on LinkedIn