

Michael Charles Smith

Portland, Oregon

(503) 927-2223

michael.c.smith@maxomai.org

Work History

Senior Middleware Analyst - March 2009-Present (was work out of class before 2010)

Oregon Department of Revenue, Salem, OR

Responsibilities:

- Build and maintain web development and production architectures for both internal and external applications
- Troubleshoot applications in a multi-tiered architecture that runs from the midframe to the presentation servers, and that includes web services and SSL.
- Work closely with web developers on solutions to business problems.
- Communicate with developers, project managers, and business analysts in a clear and concise manner
- Write scripts in BASH and Python 2.x to address business problems that require less than a project-level development effort.

Achievements:

- Accomplished several infrastructure overhauls to meet data center and management priorities, with time to spare.
- One of a team of two that proposed, designed, built and delivered Department of Revenue's present web infrastructure.
- Planned next generation web infrastructure with senior developers and management.
- Sitting member of the Change Advisory Board and Technology Advisory Review Board.

Programmer Analyst - June 2002 - March 2009

Oregon Department of Revenue, Salem, OR

Responsibilities:

- Design and maintain web-based applications written in Java and J2EE for the IBM WebSphere environment
- Develop methodologies for web application design
- Research tools and technologies for web-based application design
- Design and maintain programs written in COBOL and AllFusion2E for the IBM iSeries platform

Achievements:

- Pioneered Java development at Oregon Department of Revenue
- Worked on several production systems, including the Electronic Bankruptcy Notices system, the Federal Tapes Project, and Where's My Refund
- Developed training curricula for web-based application development
- Participated in Standards Organizing Committee

Software Engineer - March 2001 - August 2001

Rulespace, Inc., Portland, OR

Responsibilities:

- Train web content filters for various clients
- Design new web content training filter procedures
- Develop and maintain neural net training software in Perl
- Document web content filter training procedures in LaTeX

Achievements:

- Designed new web filter training algorithm based on measure theory
- Made daily improvements to training software

- Managed collection and classification of foreign web content for filter training

Software Engineer - November 1999 - January 2001
Jenkon International, Vancouver, WA

Responsibilities:

- Develop multi-level marketing management software in Java and Jython

Achievements:

- Developed algorithms for commissions calculations

Manager, Training and Documentation Unit – June 1999 – October 1999
Linux General Store, Atlanta, GA

Responsibilities:

- Document store procedures for building and repairing Linux systems
- Write, edit and publish the Atlanta Linux Newsletter and other store publications
- Manage store employees in training unit

Achievements:

- Managed and completed the project of writing and editing of *Upgrading and Repairing PCs, Linux Edition*. For this task, I am listed as a contributing author.

Skills

- Strong programming skills in Java and Eclipse, including Rational Application Developer
- Familiarity with Responsive Design, Adaptive Design, Use Cases, Design Patterns, Anti-patterns, Object Oriented Design, and UML.
- Comfortable with Git and Subversion version control environments.
- Comfortable working in Linux (Red Hat, Fedora, SuSE, Debian and Ubuntu), Mac OS X, Windows XP, Windows 7 and iSeries environments.
- Expert at maintaining and troubleshooting web application infrastructure using Apache, WebSphere (6.1, 7.0, 8.5), ColdFusion Server and DataPower.
- Strong skills in mathematics and algorithms.
- Habitually documents systems and solutions in MediaWiki and Microsoft Word. Also familiar with LaTeX, TeXShop, LibreOffice and Google Docs.
- Familiar with Google, Microsoft and Amazon cloud technologies.

Education

Portland State University, Portland, Oregon. Masters of Science, Computer Science, 2008

Loyola University, Chicago, Illinois. Master of Science, Mathematics, 1998.
Bachelor of Science, *Magna Cum Laude*, Mathematics and Computer Sciences, 1998.

Publications

Mueller, Scott with the Linux General Store (2000). *Upgrading and Repairing PC's, Linux Edition*. QUE Corporation, Indianapolis, Indiana (Contributing Author)

Smith, Michael (1996). Cousins of Smith Numbers: Monica and Suzanne Sets. *Fibonacci Quarterly*, 34.2, pp. 102-103