

Miles Crawford

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Summary of Qualifications

- Experienced in development and maintenance of high-scale, distributed web and database applications and services.
- Fluent in object-oriented programming in a variety of patterns such as Model-View-Controller, Services Oriented Architecture, Representational State Transfer, and Message Queues.
- Capable of data modeling and schema design in both relational and document-oriented datastores.
- Proficient with horizontally-scalable, tiered architectures.
- Familiar with usability testing, user-centered interface design, and information system analysis.
- Technology strengths: Java, MySQL, AWS, Perl, Python, Javascript, Linux, HTML, CSS.

Employment Experience

Senior Software Development Engineer, Amazon.com/IMDb

July 2009 - June 2014

- Lead engineer on IMDb's Platform Team, responsible for services that supported all IMDb applications.
- Designed and implemented IMDb's service-oriented, Java-based architecture.
- Created multiple high-scale, highly-available backend data services based on Amazon Web Services tools.
- Coordinated the cross-team communication required to design and drive adoption of new services.
- Performed design reviews, code reviews, and mentorship of junior developers.

Software Engineer, University of Washington, Learning and Scholarly Technologies

July 2004 – July 2009

- Designed and developed a suite of educational web applications for a campus-wide audience.
- Configured and maintained production web, application and database clusters for scalability and high availability.
- Nominated for the University's Distinguished Staff Award for leading the design of the University's electronic grading system, a RESTful web service.
- Integrated with central University applications and web services, both as a data provider and consumer.

Unix Development Lead, University of Washington, UW Technology

January 2002 – June 2004

- Developed internal web-based knowledge base for use by technical support staff.
- Developed a service that exposed a centralized grouping and authentication API.
- Reviewed code and technical correspondence of coworkers.

Education

B.S. in Informatics, June 2004

University of Washington, Seattle, WA

Coursework included study of information systems and technologies with a human-centered approach: Computer Networks, Database Management, Distributed Applications, Information Retrieval, Information Systems Analysis and Design.