

Ronnie Roller

Java, C#, AWS, Hadoop, EMR, S3, EBS, ASP.NET, Spring, SQL Server, JavaScript, jQuery

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Seattle, WA

SUMMARY

Please view my website <http://ronnieroller.com> for my most up-to-date resume and project listing.

Experienced software developer (Java, C#, .NET, JavaScript) with a strong background in computer science and 10+ years in software development. Solid hands-on experience from redesigning existing software to solving complex technical problems with new systems. Specialized in designing and building large-scale distributed systems, workflows, and data processing pipelines. Comfortable building out both front-end web applications and back-end systems.

EXPERIENCE

Sr. Software Development Engineer (SDE)

1/2011 – Present Amazon (AWS Elastic Block Store) Seattle, WA

I'm currently working on Amazon's [Elastic Block Store](#) (EBS) service, one of the largest storage services in the world, where I work with and develop large scale distributed systems. I've designed and developed systems that operate at over 100,000 requests per second and operate on petabytes of data that must guarantee a high level of correctness. Before joining EBS I helped launch Amazon Local where I worked on building the order pipeline, customer targeting features, and also designed and developed a high-performance, low latency system to surface widgets on Amazon.com that handles the scale of Amazon's customer traffic at peak load.

4//2014 – Sr. Software Dev Engineer III

10//2011 – Software Dev Engineer II

1//2011 – Software Dev Engineer I

Software Developer

10/2009 – 1/2011 LPS (Fidelity) Arlington, TX

Developed middle-tier applications and front-end systems that handled financial B2B transactions between an EDI (Electronic Data Interchange) used by the majority of the largest 50 banks in the U.S.

Software Developer

3/2001 – 10/2009 Geo-Marine (Applied Research Associates) Plano, TX

Main role includes .NET development in C#, VB.NET and MS SQL Server. Projects include developing an ASP.NET content management system, lead developer for an ASP.NET web application for project management that facilitates managers through the project life cycle for 1000's of projects, searchable web-based GIS mapping systems, a coral reef photograph analysis application, and other applications and GIS projects.

EDUCATION

M.S., Computer Science, December 2008

University of Texas at Dallas

- Machine Learning
- Artificial Intelligence
- Data Mining

- Advanced Algorithms
- Automata Theory
- Computer Vision
- Advanced Operating Systems

B.S., Management Information Systems, May 2003
University of Texas at Dallas

SKILLS

- Object-Oriented Programming with Java and C#
- Working with large datasets, MapReduce (Hadoop and EMR)
- AWS set of services (S3, SWF, EMR, etc)
- SOA system design and implementation
- Building highly available, large scale systems
- Development, debugging, and unit testing with Eclipse, Visual Studio, testing frameworks such as JUnit and Mockito
- Developing applications leveraging ADO.NET, LINQ to SQL, Entity Framework 4, and the Microsoft Enterprise Library Data Access Application Block
- Parsing, querying, scraping, and transforming XML, HTML, and JSON
- Microsoft SQL Server: Normalization, T-SQL, Stored Procedures, Rules, Views, Indexes
- Building web applications with ASP.NET MVC, Spring, JavaScript, jQuery, JSON, HTML, XHTML, CSS, and FireBug
- Creating mobile web applications for iPhone and Android devices
- Fully fluent in developing cross-browser applications that follow web standards and deliver a rich user experience
- Comfortable with managing and using both Microsoft Windows and Linux Systems