Ryan Ossandon

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EXPERIENCE

Software Developer, Street Solutions, Inc.

Jersey City, NJ - June 2014 to present

- Full stack engineer with heavy backend & systems programming focus using C#, ASP.NET MVC, MSSQL, RabbitMQ, JavaScript
- Developed and architected a processing platform used by in-house analysts to implement business logic for mortgage-focused loan management software
  - Major functionality included a domain-specific ORM & execution runtime
  - Ecosystem included tools to develop (via custom Visual Studio plugins), deploy, and robustly test business logic code
  - Design included support for horizontal scaling by way of message queues and competing consumers (RabbitMQ)
  - Designed to take heavy advantage of multicore systems
- Implemented a custom expression language using ANTLR & C# expression trees to facilitate and simplify writing of business rules
- Other major projects worked on include a query abstraction layer, used across various components in the system, for generating and executing complex SQL queries. This was used for both analytic queries as well as OLTP workloads.
- Mentored junior developers with a focus on writing clean, maintainable, and performant code
- Introduced new frontend tech, including knockout.js and SignalR (a websockets library)
- Assisted in configuring build and deployment systems, also helped drive improvements to the software development process

Software Developer, Advanced Systems Concepts, Inc.

Morristown, NJ - Jan 2010 to Dec 2011 (part-time); Summer 2012; Summer 2013

- Systems focused projects using C++, .NET/CLR/C#, Win32 API
- Engineer on web services API rewrite project for ActiveBatch, as well as other system-level projects for the ActiveBatch Job Scheduler

Junior System Administrator, Advanced Systems Concepts, Inc.

Morristown, NJ - Summer 2008, Mar 2009 to Dec 2009

- Maintained systems in ActiveDirectory based environment, setup VMWare infrastructure, and performed general system administration tasks

SKILLS

- **Used professionally:** C#, C++, Javascript, SQL
- **Familiar with**: Java, Python, Lua, shell scripting, Golang
- Solid system programming skills (IPC, multi-threading, async I/O, etc) in C++, C#
- Experience using parser generators (Antlr), writing static analysis tools, and designing grammars & languages
- Some experience with cloud platforms including Azure (Azure SQL, App Service) and AWS (EC2, RDS, S3)
- Strong object-orientated programming & design skills with a focus on functional and immutable styled OO code

EDUCATION

B.S. in Computer Science, Rutgers New Brunswick

Graduated Spring 2014

Morris County School of Technology High School, *IT/Networking Academy*

Graduated Spring 2009