

ETHAN NETLAND

EDUCATION

Northeastern University

2008 - 2013

Bachelor of Science in Computer Science and Business Administration, *magna cum laude*

Coursework Software Development, Web Development, Database Design, Object Oriented Design, Fundamentals of Computer Science

Clubs Association for Computing Machinery, Honors Mentor, Entrepreneurs Club, Upsilon Pi Epsilon, Finance and Investment Club

Honors Northeastern Merit Scholarship, Dean's Scholarship

WORK EXPERIENCE

Clypd

July 2013 - Present

Software Engineer

Ruby, Rails, Rspec, Git

- Using Ruby and Resque, write tasks to import data from various partners and clients into our PostgreSQL database.
- Build Rails based APIs to expose reporting data to other services, primarily our client UI.
- Developed integration with major strategic partner Invidi, working with members of their development team to allow our backend to insert orders directly into their system.
- Created an OpenRTB compliant bidding system in Ruby using Rails Metal and Redis to quickly parse bid requests from our internal exchange, filter advertisements based on several criteria, and render a JSON response.

TapWalk

July - December 2012

Rails Engineer

Ruby, Rails, Rspec, AWS, Heroku, Git

- Responsible for entire Rails stack for client-facing admin site: feature development and maintenance, testing using RSpec, and deployment to Heroku.
- Managed front-end as well; using Javascript, HTML, and CSS to improve tagging, icon hierarchies, file uploads, list ordering, and other elements of the user experience.
- Upgraded the user authentication and authorization system using Devise and CanCan to improve security and introduce tiered client pricing.

Goldman Sachs Agency Lending

July - December 2011

Software Development Co-op

Java, Perl, SQL, Shell Scripting, Visual Basic, SVN

- Worked on a small team developing internal software for Agency Lending business units.
- Automated business processes using Perl and shell scripts, developed features for the internal Java/Swing application, automated business intelligence reporting from trading data.
- Headed project with Operations team to architect, implement, and launch new internal application to automate the security returns process, saving hours of manual work each day.

Charles River Development

July - December 2010

Software Development Co-op

Java, C#, SQL, JUnit

- As part of the Securities and Accounts team, I was responsible for implementing and testing a wide variety of investment vehicles for the trading software.
- Wrote unit tests for security validations in JUnit, business logic in Java, and GUI upgrades for security management in C#

LANGUAGES

- Ruby
- Javascript
- Python
- Java

- HTML
- CSS
- SQL

SOFTWARE/SERVICES/FRAMEWORKS

- Rails
- RSpec
- Git
- PostgreSQL
- Backbone.js
- Redis
- Heroku
- AWS (S3/EC2)

INTERESTS

- Premier League Football
- Music
- Film
- Cooking
- Generative Art & Design

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