

WORK EXPERIENCE

SOFTWARE ENGINEER

Case Commons, Inc.; New York, NY

June 2012–Present

Case Commons is a non-profit developing software for the child services industry. The product went live July 2012.

- Worked on all aspects: front-end, back-end, sys/ops.
- Lead developer of analytics ETL and visualization application.
- Lead developer of transition to modern front-end JavaScript (Node, NPM, React).
- Spearheaded and executed internal IT overhaul and documentation.
- Core developer of active transition from monolith to microservice architecture.

DEVELOPER INTERN

Case Commons, Inc.; New York, NY

May–August 2011, January 2012

Full-time intern during summer/winter break. Hired after university (see above).

LEAD SOFTWARE ENGINEER

Fox Lane High School Wellness Day Committee; Bedford, NY

2007–2015

Created an online registration, scheduling, and administrative system for a day of workshops for the school's 1,300 students. Managed the project while coordinating with the ever-changing needs of the committee over several years. The project evolved significantly over its lifetime, including a complete rewrite from PHP to Ruby-on-Rails. Also setup and maintained the virtual private web server for this project.

LEAD SOFTWARE ENGINEER

Binghamton University Pipe Dream Newspaper; Binghamton, NY

Spring 2010–Spring 2011

Worked on revamping the private workflow management system used by the editors and writers of Pipe Dream, Binghamton University's largest, oldest, and most popular newspaper. Utilized Ruby on Rails.

RESIDENTIAL COMPUTER CONSULTANT

Binghamton University ITS, ResCon Program; Binghamton, NY

Fall 2010–Spring 2011

Worked as on-call tech support for on-campus students.

EDUCATION

B.S., COMPUTER SCIENCE

Binghamton University, Thomas J. Watson School of Engineering & Applied Science

May 2012

One-hundred and forty credits. In-major grade point average of 3.7.

SKILLS

Underline indicates high proficiency & used within the last year.

PROGRAMMING/MARKUP LANGUAGES

Bash, C/C++, CSS, Clojure, HTML, Java, JavaScript (ES6+), LaTeX, Ruby, SCSS/Sass, SQL, TypeScript

FRAMEWORKS, LIBRARIES, TOOLS, & TECHNOLOGIES

Amazon Web Services, Chef, Docker, Express, FreeBSD, Git, jQuery, Linux, macOS, Nginx, OpenAPI (a.k.a. Swagger), React, Redux, Ruby-on-Rails, VMware, Webpack, Windows

DEVELOPMENT PRACTICES

Agile Development, Continuous Deployment, Pair Programming, Test-Driven Development

CONTRIBUTIONS

STACK OVERFLOW

<https://stackoverflow.com/users/211563>

Top 0.23% of users. Reached an estimated 3.3 million people through contributions. Holder of Ruby & Ruby-on-Rails "Gold" badges.

OPEN SOURCE

<https://github.com/amarshall>

CanCanCan, Cucumber Rails, Homebrew, PgSearch, RSpec, Rack, Ruby Spec, Ruby-on-Rails, rbenv, vim-ruby, with_model, and more.

