

# Grant Kopplin

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## ABOUT ME

I am a full-stack software developer specializing in solving complex data management problems and building beautiful, functional frontend applications. Through working for a non-profit research institute for three years, I learned how to tackle complex data puzzles and further developed my passion for the broader social impact of the work that I do. I excel at picking up new skills quickly and I am driven to constantly grow and look for ways to improve my projects with cutting-edge technologies.

**SKILLS** Java, JavaScript, Spring, React, Redux, Ruby, Rails, SQL, AWS, Docker, Jenkins, ELK, Git, Swift, Xcode

## PROJECTS

**Grumblr** | (*React/Redux, Rails, Webpack, AWS, postgresSQL, HTML/CSS, Heroku*)

[live](#) | [github](#)

- Designed and created a full-stack clone of Tumblr for people who love to grumble, and integrated AWS S3 cloud storage with the Rails backend to reduce local data storage and improve scalability.

**Java Developer Course Capstone Project** | (*Spring Boot, SQL, Docker, RabbitMQ, Jenkins, ELK*)

[github](#)

- Designed and created a Reddit-like Spring Boot API with Dockerized microservices, CI/CD and monitoring, and inter-service communication via a messaging queue.

**Maze Escape** | (*JavaScript, HTML5 Canvas, CSS*)

[live](#) | [github](#)

- Designed and created a retro, turn-based maze escape game with AI enemies, and implemented logic to conditionally show/hide HTML elements (such as instructions and the win screen) based on the user's progression through the levels of the game.

## EXPERIENCE

### Volunteer Software Developer

*North Brooklyn DSA*

June 2019 - Present

- Setting up authentication for an iOS canvassing app for political campaigns and sending HTTP requests to an external API containing data on voters.
- Implementing functionality to monitor network connectivity changes using the Reachability.swift library and update Views Controllers accordingly.

### Research Assistant

*Guttmacher Institute*

Dec 2015 - Feb 2019

- Standardized Stata datasets for 147 countries for the latest iteration of *Adding It Up*, a heavily cited series summarizing global contraceptive use and maternal/newborn health.
- Created a system for pulling and processing data from PDFs using Tabula, which greatly improved efficiency and minimized errors compared to manual data entry.

## EDUCATION

**General Assembly** - 2019 - Cognizant-sponsored Java Developer course

**App Academy** - 2019 - A highly selective, full-stack web development course

**Yale University** - BS Psychology, 2010-2015