

Dorn Holland

(303)-720-3868 dornkholland2@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#) Astoria, Queens, New York

Experience

Software Engineer - Somalogic

Aug 2021 - Current

- Developed and maintained **Spring Boot - Java** backend microservices, providing efficient and scalable solutions for customer products.
- Played a key role in building out a robust reporting software system, **automating** the generation and distribution of test results to customers worldwide.
- Led security enhancements by integrating **Auth0** using **OAuth2** principles, revamping the gateway design, and optimizing **authentication flows**, ensuring robust protection and streamlined access control across the software ecosystem.
- Utilized **Vue.js** framework to build responsive and user-friendly frontend interfaces, enhancing the overall user experience.
- Made significant contributions to a **Django - Python** based R&D BioInformatics (BI) software, maintaining and adding new features to optimize data analysis and reporting capabilities.
- Actively involved in both the research and development (R&D) and customer product teams, contributing to the successful delivery of software solutions.
- Spearheaded the successful implementation of **horizontal scaling** for microservices, leveraging **Kubernetes** autoscaling for containerized applications, resulting in a remarkable performance increase of 200% for certain bottleneck processes and ensuring high availability and scalability of the software infrastructure.

Staff Accountant - Stratus Building Solutions

Jun 2020 - Sep 2020

- Utilized excel macros to automate analysis and formatting of monthly reports, reducing time commitment for monthly tasks from an hour to minutes, consequently increasing department efficiency

Teaching Assistant - Numerical Analysis - University of Colorado Boulder

Jan 2020 - May 2020

- Held office hours and tutoring in Interpolation, Approximation, and other topics of mathematical algorithmic analysis

Skills

Spring Boot, Java, Vue.js, React.js, JavaScript, Django, Flask, Python, PostgreSQL, Docker, Kubernetes.

Education

App Academy - Immersive software development course with focus on full stack web development.

Dec 2020 - April 2021

University of Colorado Boulder - *B.S. in engineering, Applied Mathematics*

Aug 2016 - May 2020

Relevant Coursework - Numerical Analysis, Data Science, Bayesian/Frequentist Statistical Analysis, Probability Theory

Personal Projects

as a user, i... (JavaScript, React / Redux, Express.js, HTML5, CSS3, PostgreSQL)

[Live Site](#) | [Github](#)

Kanban-style organizational app for user-centric software development

- Utilized **React** Beautiful DND package with **Redux** to implement dynamic drag-and-drop functionality, allowing users to easily manage React components with asynchronous Redux store updates
- Handled routing with **RESTful API** backend **Express.js** routes and a **PostgreSQL relational database** to permit full CRUD functionality for users, projects, stories and comments, improving load times due to minimal, individual database queries.
- Developed an efficient method of completing complex drag and drop operations while persisting order with Redux and PostgreSQL, allowing users to prioritize user stories by easily reordering them in a user-friendly way.
- Enhanced collaboratability with a unique identifier stored in PostgreSQL, allowing for contribution with restricted privileges on other users' projects, controlled with **Redux state management**.

Comic Collections (JavaScript, HTML5, CSS3)

[Live Site](#) | [Github](#)

GoodReads clone for comic books

- Established dynamic, asynchronous CRUD functionality on comments using **AJAX** and PUG templating without utilizing any front end library as React for live **HTML** changes of posting, editing and deleting comments
- Styled responsive, mobile-friendly pages using **CSS3 flexbox** and **grid** along with a PostgreSQL database to have variable background images on pages dependent on the genre of the page selected.
- Used a **Bcrypt hashing algorithm** to avoid storing plaintext passwords in a PostgreSQL database so passwords are not recoverable in the case of a compromised database