

# Jacob Snell

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Github: [github.com/Jakersnell](https://github.com/Jakersnell)

## Summary

Dynamic and enthusiastic, skilled in multiple programming languages with proficient understanding of core computer science topics as well as practical technologies and methodologies. Excellent verbal and written communication skills. Active listener, follows complex instructions well. Team oriented, compassionate, supportive and looks to help others grow and learn. Always willing to listen to and apply constructive criticism. Well organized, inquisitive, and driven to learn. Enjoys complex problem solving. Wide variety of passions such as mountain biking, rock climbing, circuitry, biology, scuba diving, and more. Looking for a challenging position as a software developer, software engineer, software test engineer or similar.

## Projects

### **Micro C** - <https://github.com/Jakersnell/microc>

Feb, 2024 -- Current

- Functional compiler that can compile a C program to a runnable binary on Mac ARM64 machines
- Showcases ability to self-motivate, understand complex material, and apply such material
- Written entirely in Rust, with test cases written in C
- Solo project focusing on problem solving, learning, and creativity

### **The Stack** - <https://github.com/Jakersnell/TheStack>

Jun, 2024 -- Jun, 2024

- Full-Stack web application focused on meetup groups for tech enthusiasts
- Group project developed with Agile methodologies in a remote environment
- Built with SQL, Java, Spring Boot and Angular

### **Quorum** - <https://github.com/Jakersnell/Quorum>

Dec, 2023 -- Dec, 2023

- Web application designed to help college students manage campus life, from classes and schedule, to groups and social
- Group project developed with Agile methodologies in a remote environment
- Built with SQL, Java, Spring and JSPs

### **Review It!** - <https://github.com/Jakersnell/ReviewIt>

Jun, 2023 -- Jun, 2023

- Full-Stack web application designed for users to review products, and read reviews of products
- Solo project focusing on learning the Angular frontend development framework
- Built with SQL, Java, Spring Boot and Angular

# **Skill Highlights**

**Programming Languages:** Python, Rust, Java, JavaScript, SQL, TypeScript

**Web Application Development:** Spring, Spring Boot, Django

**Web Frontend:** HTML, CSS, Angular, JavaScript

**Database Systems:** JPA, Hibernate, Django-ORM, MySQL

**Methodologies:** TDD, SCRUM, AGILE

**Deployment:** Heroku, AWS, Linode

**QA/Testing:** Python Selenium, PyTest, JUnit 4&5, Rust Testing

**Build Systems:** Cargo, Gradle, Maven, Npm

**IDEs/Text Editors:** VS Code, IntelliJ, Eclipse, Rust Rover, Nano, Vim

**Misc:** Unix-like systems, Network Programming, Linear Algebra, Discrete Mathematics, Data Structures and Algorithms, ARM64 Assembly programming, Computer Architecture, Arduino Programming

# **Education**

## **Java Full Stack Developer Bootcamp Graduate**

Skill Distillery

Oct 2023 - Feb 2024

- Designed and Implemented Java full stack applications using Spring Boot, SQL, JPA, JavaScript, Angular, REST, JSON, AJAX
- Created RESTful APIs
- Implemented Spring Data JPA Repositories
- Created front end components using JavaScript, DOM APIs, Angular, AJAX, HTML, CSS, Bootstrap
- Designed and implemented relational databases
- Released code in one week sprints
- Deployed applications to AWS
- Applied Test Driven Development using JUnit
- Agile / Kanban: GitHub, Zoom, Slack, Trello

## **Air Academy High School**

Aug 2016 - May 2020

# **Employment**

## **Apprentice Electrician**

Die Hard Inc

Nov 2022 - Oct 2023

- Large commercial electrical company focusing on new construction
- Direct assistant to owner of company
- Designed and created website
- Followed wiring schematics
- Ran underground high voltage lines
- QA inspection of commercial apartment buildings
- Liaised between stakeholders, employees, and government officials