

# John Hirsch V

[John Hirsch V | LinkedIn](#)   [jhirschv \(John Hirsch V\) \(github.com\)](#)

## SUMMARY

Software Developer skilled in Python, Java, and JavaScript. Experience in full-stack web development using Spring Boot, Django, and React. Strong communication and goal setting skills honed from several years working as a personal trainer.

## LANGUAGES | FRAMEWORKS | TOOLS

Java, JavaScript, Python | React, Spring Boot, Django | MySQL Workbench, AWS

## EXPERIENCE

### Digital Delight — Launch Code Capstone Project

July 2024 - Present

- Developed a comprehensive eCommerce application with a fully functioning admin dashboard for our Launch Code Capstone
- Created a product recommendation machine learning algorithm using python and Scikit-learn
- Integrated JWT Authentication for secure API requests and user logins
- Tech Stack: Java, Spring Boot, React, MySQL, Tailwind CSS, shadcn/ui, AWS, Python, Stripe API

### Cloud Code — Online Code Execution Project

June 2024 - Present

- Created a web based coding environment that allows users to write coding that is executed on a remote server
- Utilized the Docker SDK to spin up docker containers to execute user submitted code
- Developed a frontend text editor using the Monaco text editor react package
- Tech Stack: Python, Django, Docker, React.js, Tailwind CSS, Material UI

### Train.io — Fitness Training App

January 2024 - June 2024

- Created a fully functioning fitness app that rivals several mainstream applications
- Implemented an artificial intelligence powered workout creator through OpenAI's API
- Integrated a comprehensive workout journal to track users workout weights, reps, videos, and notes
- Designed a fully functional personal training system, allowing trainers to manage clients
- Tech Stack: Python (Django), React.js, PostgreSQL, Tailwind CSS, shadcn/ui

### Lock Talk — End-To-End Encrypted Chat Application

January 2024 - July 2024

- Created a secure chat application, encrypting data in transit to ensure user privacy
- Utilized the Libsodium JavaScript package to create public and private keys for data encryption
- Used Django channels and WebSockets to manage real time Websocket messaging
- Tech Stack: Python (Django), React.js, PostgreSQL, Tailwind CSS, shadcn/ui

### Social Network — CS50's Web Programming with Python and JavaScript Project

October 2023 - December 2023

- Developed a social network platform with interactive posts and a follow/follower system
- Utilized Django's ORM to manage user data and interactions with efficient database queries
- Incorporated asynchronous JavaScript API requests for single page application functionality
- Tech Stack: Python (Django), JavaScript, WebSockets

## EDUCATION

LaunchCode, Web Development, 2024

Old Dominion University, Bachelor of Science, Exercise Science, 2023