

Chelsea Snider

Junior Full Stack Software Developer

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Summary

Junior Full-Stack Developer who was employed as an apprentice at Booz Allen Hamilton for six months. Tasked with contributing development on a proprietary financial dashboard project for the Veterans Affairs as a client and research on AI based initiatives for updating code for the National Oceanic and Atmospheric Administration. Transitioning from a seven year career as an optical laboratory technician to a full time position in software development. I hold two certifications for full stack software development.

Skills

Programming Languages: JavaScript, Python, Java.

Front end frameworks: AngularJS, ReactJS.

Back end frameworks: Django, Spring Boot.

DevOps: Containerization, Docker, Git.

Technologies: PostgreSQL, Amazon Web Services(AWS), Relational Databases (RDS), Firebase authentication, AI prompt engineering.

Experience

Booz Allen Hamilton - Apprentice

June 2023 - December 2023

- Collaborated with multiple teams in a highly agile environment consisting of two week sprints. Participated in product demos at the end of every sprint.
- Developed dynamic front and AngularJS components to display financial data in a dashboard project for the Veterans Affairs.
- Increased security by preventing moderators or administrators from being able to deactivate their own accounts within the Veterans Affairs dashboard project Java Spring Boot backend.
- Created backend unit tests to verify correct HTTPS status codes related to users attempting to deactivate themselves through Chrome Developer panel manipulation.
- Contributed to research projects on AI and non-AI based options for the National Oceanic and Atmospheric Administration to update Fortran databases to Python.

Project Highlights

Medisense

An application to analyze a user's list of medications utilizing OpenAI's API and prompt engineering to inform the user about possible negative drug interactions. I learned how to build a Java Spring Boot backend, integrate openAI's API, and integrate Firebase authentication.

Technologies Used:

- PostgreSQL RDS hosted on AWS was used to implement a Java Spring Boot backend, providing reliable data storage and retrieval.
- Created an AngularJS frontend with Firebase authentication for secure user access and management.

Key Learning Points:

- Gained proficiency in integrating multiple APIs for data analysis and user authentication, enhancing versatility in API usage.
- Acquired hands-on experience in managing AWS resources and deploying RESTful APIs, improving skills in cloud-based development.

Closet Swap

My first full stack application designed for the LGBT+ community to swap clothes, enhancing inclusivity and sustainability. Enriched with object recognition AI from ClarifAI for clothing descriptions to be used by a for a tagging system.

Technologies Used:

- Employed a Python Django backend and ReactJS frontend, leveraging Heroku for deployment and scalability.
- Utilized the ClarifAI API for advanced image recognition capabilities and AWS S3 for efficient storage of clothing images.

Key Learning Points:

- Expanded expertise in full-stack development and API integration, particularly in deploying complex applications with AI components.
- Explored cloud storage solutions and platform deployment strategies, enhancing proficiency in cloud based architecture.

Tetris Clone

Developed a ReactJS based Tetris clone, showcasing advanced hook-based state management and interactive component design.

Technologies Used:

- Created the game front end using ReactJS, hosted on Netlify for seamless accessibility.

Key Learning Points:

- Deepened understanding of ReactJS fundamentals and modern JavaScript concepts, including hooks, state management, and component interactions.
- Refined skills in frontend development and interactive application design.

Education / Certifications

Develop Carolina Apprenticeship Program / Booz Allen Hamilton

June 2023 - December 2023

Journeyman's Certification in Software Development

Carolina Code School

January 2023 - March 2023

Full Stack Developer Certification