

DAVID DANIEL

|669-333-1043 | davidbd7@gmail.com | <https://www.linkedin.com/in/david-daniel-fullstack/> | <https://github.com/davidbd7>
Software Engineering Intern

EDUCATION

San Jose State University

Degree Obtained: December 2023

Bachelor of Computer Science:

Cumulative GPA: 3.57

Relevant Coursework: Data Structures and Algorithms, Java Programming, Data Visualization, Machine Learning, Operating Systems, Databases, C++ Programming, x86 Assembly Language, Advanced Computer Architecture

Work Experience

Software Engineering Internship @ CRATUS Technology

September 2022 - Present

- ◆ Contributed to the **architectural design** of data flow within a software project, implementing a **Python-based backend** in adherence to **CI/CD principles**. This initiative significantly expedited code delivery, achieving a **15%** acceleration.
- ◆ Developed an interactive **React Native** Application for a smart home system, continuously fetching data from an **MQTT broker** and presenting it to users in a dynamic interface.
- ◆ Devised **Python** scripts to extract customized LiDAR data via the **Robot Operating System (ROS)**, enhancing data precision and speed by **13%** compared to non-ROS calibration methods.
- ◆ Proficiently engaged with **REST**, **Docker**, and Agile Methodologies like **Jira**, adapting to various project contexts.
- ◆ Demonstrated adeptness in version control by leveraging **Git** and **Bitbucket** across multiple project life cycles.

Software Engineering Apprenticeship @ Logicsoft Beyond Hype

June 2022 - September 2022

- ◆ Leveraged React, **PostgreSQL**, and Spring Boot to construct an API-centric application for visualizing RideShare Data.
- ◆ Engineered Java-based APIs implementing comprehensive **CRUD** operations, effectively retrieving information from a PostgreSQL
- ◆ Acquired proficiency in **Docker**, successfully deploying the project within a Docker container for streamlined distribution.
- ◆ Skillfully organized and coordinated meetings, effectively collaborating with a globally distributed team to surmount time zone disparities, ensuring uninterrupted communication and workflow.

Technical Strengths

Languages: Python, Java, Javascript, C++

Technical Skills: React, Typescript, Docker, Git, Jira, Next.js, AWS, REST API, MySQL, PostgreSQL, Springboot, CRUD, Agile, HTML, CSS, Adobe Suite

Projects

Modern Personal Portfolio

November 2023

- Beautiful and Interactive Personal Portfolio built using **Next.js**, **Typescript**, and **Tailwind CSS**
- Includes advanced animations using **framer motion** to present a fresh, modern and responsive UI
- Contact Form implemented with Client/Server functionality using Next.js

RideShare Simplified

June - July 2022

- Developed a comprehensive Full Stack Uber Application utilizing **JavaScript**, **React**, and PostgreSQL.
- Established a robust **PostgreSQL** database encompassing driver, customer, and ride information.
- Implemented **CRUD** APIs using Spring Boot, facilitating seamless data retrieval and enabling driver-customer matching.
- Leveraged React to craft an intuitive user interface, effectively showcasing drivers, customers, and ride data from the API.

Alarm Panel Control

July 2023 -Current

- Engineered a Full Stack Application enabling users to modify alarm panel configurations via a **React** Frontend.
- Established connectivity through **REST APIs** and a web hook, linking the frontend to the backend, facilitating the execution of a **Python** script that directly alters the alarm configuration panel within the Ubuntu system.
- This initiative constitutes a component of a larger project I am leading during my CRATUS Technology internship.

Langchain CSV Chatbot

July 2023

- Developed a **Langchain** agent in Python, functioning as a chatbot tailored for specific user-entered CSV data.
- Utilized **Streamlit** to create a user-friendly frontend, simplifying interaction with the chatbot.