

DAVID DANIEL

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Summary

I am pursuing opportunities in **Full-Stack, Front-end, and Back-end Software Engineering roles**. My internship experience has equipped me with the ability to efficiently analyze problems and implement creative and effective solutions. I am eager to continue to apply these skills in professional settings to solve problems, foster personal growth, and enhance the success of the organization.

EDUCATION

San Jose State University

Bachelor of Computer Science:

Degree Obtained: December 2023

Cumulative GPA: 3.57

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

Organizations: Alpha Phi Omega (Vice President)

Experience

Software Engineering Internship @ CRATUS Technology

September 2022 - Present

CRATUS Technology specializes in battery management systems, IoT Home Security, and ML/AI Lidar Solutions.

- ◆ Contributed to the **architectural design** and implemented a **Python-based backend** to control and operate a battery stack system to charge vehicles in adherence to **CI/CD principles**. This expedited code delivery by **15%**.
- ◆ Developed an interactive **React Native** Application to serve as a client's control center for their home. This includes lights and door controls from the app, along with sustainability information such as energy usage, waste usage, etc...
- ◆ Devised **Python** scripts to extract LiDAR data via the **Robot Operating System (ROS)**, enhancing data precision and speed by **13%** compared to non-ROS calibration methods, to help build a robot that can scan warehouses accurately.
- ◆ Proficiently engaged with **REST, Docker**, and Agile Methodologies like **Jira**, adapting to various project contexts.

Software Engineering Apprenticeship @ Logicsoft Beyond Hype

June 2022 - September 2022

Logicsoft delivers comprehensive end to end software solutions to the emerging technology space in India

- ◆ Leveraged **React, PostgreSQL**, and **SpringBoot** to construct an API-centric application to visualize RideShare Data.
- ◆ Acquired proficiency in **Docker**, by 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.

Cook @ Ciceros Pizza

September 2018 - March 2020

- ◆ Acquired the ability to thrive under pressure and communicate effectively during busy dinner rushes, a skillset that I have seamlessly integrated into my current professional roles.
- ◆ Progressed from bussing tables to efficiently managing multiple stations in the restaurant, demonstrating the capability to handle diverse tasks and situations with composure and effectiveness.

Technical Strengths

Languages: Java, Python, Javascript, C++, SQL

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

Projects

Modern Personal Portfolio

November 2023

- Beautiful and Interactive Personal Portfolio built using **Next.Js, Typescript, and Tailwind CSS**
- Includes a Contact Form using Next.Js Backend features, and advanced animations using Framer Motion
- Link: david-daniel.vercel.app

RideShare Simplified

June - July 2022

- Developed a comprehensive Full Stack Uber Application utilizing **Java, JavaScript, React**, and **PostgreSQL**.
- Established a robust **PostgreSQL** database encompassing driver, customer, and ride information.
- Built **CRUD** APIs using **Spring Boot**, facilitating seamless data retrieval and enabling driver-customer matching.

Bioinformatics Multiple Sequence Alignment

May 2023

- Developed a Java program that reads in FASTA Files of sequences and conducts a multiple sequence alignment
- The output builds out a percent identity matrix, and displays indels that occur during the alignment

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.