

SUJAN PANTAM

☎ 424-247-3678

✉ pantamsujan@gmail.com

🌐 [linkedin.com/in/sujan-pantam](https://www.linkedin.com/in/sujan-pantam)

🐙 github.com/sj-pantam

Education

University of California, Santa Cruz

Bachelor of Computer Science

Sep 2021 – Jun 2024

Santa Cruz, California

Experience

Webasto Charging Systems

Jun 2023 – Sep 2023

IoT Engineering Intern

Monrovia, California

- Contributed to local load management for the ComBoard during the development of a new model of EV charging systems, utilizing cross-functional teamwork to ensure seamless integration.
- Reduced maintenance costs by 10% by collaborating with cross-functional teams to identify key areas for improvement in charging infrastructure design.
- Increased project efficiency by 30% with the use of Agile and Scrum methodologies, along with Jira and Confluence, for project management throughout the development of IoT solutions.
- Executed regular check-ins with leadership and clients to ensure alignment of IoT solutions with customer needs, resulting in a 15% increase in repeat business.
- Developed a high-functioning script using DBUS and Avahi API to simulate network devices and stations, minimizing testing time by 50% for real-time testing of charging clusters and improving product stability.
- Developed and implemented the Master Election and Failsafe algorithms, facilitating seamless cluster operation and backend communication; ensured uninterrupted service availability.
- Explored methods to apply the OCPP Python package in enhancing the functionality of charging infrastructure through innovative design thinking and critical analysis.

Projects

Cloud Resume Challenge | *Python, AWS*

- Built a fully functional website from the ground up using various AWS cloud services.
- Integrated a database, API Gateway, custom domain, and HTTPS security for a robust and secure web application.
- Utilized serverless functions triggered through API Gateway written in Python to handle backend logic, leading to a 35% improvement in website performance and response time.
- Structured the entire infrastructure into a SAM (Serverless Application Model) template for easy deployment and management.
- Leveraged AWS Lambda, DynamoDB, API Gateway, Route 53, and S3 to achieve a scalable and efficient architecture.

CI/CD Pipeline | *AWS*

- Set up a CI/CD pipeline with AWS CodePipeline, integrating CodeCommit, CodeBuild, and CodeDeploy.
- Automated application updates and tested rollbacks.
- Streamlined the software development lifecycle with continuous integration and deployment.

Creativa | *Typescript, React, Node.js, Firebase*

- Conceptualized and guided the execution of a creative writing social media platform, leveraging agile methodologies.
- Utilized React to build the user interface with Typescript on the front-end and Node.js on the back-end.
- Implemented Google Firebase's NoSQL database, Firestore, enabling real-time data updates and reducing latency by 40%.

Certifications

AWS Certified Solutions Architect

Amazon Web Services (AWS)

AWS Certified Cloud Practitioner

Amazon Web Services (AWS)

Technical Skills

Languages: Python, Java, C, C++, Haskell, SQL, JavaScript, HTML/CSS, R

Developer Tools: Git, Docker, AWS Code Commit, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

Technologies/Frameworks: Jenkins, GitHub, React, Node.js, Firebase, Material-UI, FastAPI

Cloud: Amazon Web Services

Databases: Cloud Firestore, SQL Server

Product Management: Jira, Confluence, Agile Methodology, Scrum, R&D, Software Development Lifecycle