

AWS Cloud Engineer Consultant

Cloud Developer with a background in Software Engineering, Consulting, and Cloud/Solution Architecting

SKILLS

Technical: Python, JavaScript, Typescript, C (Embedded), SQL, Java

Software/Others: Git, Agile, RESTful, React.js, Microservices, AWS CDK (IaC), Kubernetes, Cloud Architecture

AWS Services: AWS Lambda, Amazon EC2, Amazon S3, Amazon DynamoDB, AWS CloudWatch, Amazon CloudFront, AWS API Gateway, AWS AppSync, AWS Amplify, AWS ELB, Amazon SNS, AWS Cognito

EXPERIENCE

Cloud Applications Developer @ Amazon Web Services (AWS)

New York, New York | July 2022 - Present

- Built and designed **scalable, secure, and highly available 0-to-1 application solutions** that leverage AWS services.
- Engineered an e-commerce website using AWS for hosting, backend/frontend, testing, security, instant SMS/email notifications, and federated identity access for seamless SSO capabilities; reduced **website load times by 50%**.
- Developed a real-time data synchronization functionality for a web API utilizing GraphQL subscriptions, facilitating instant data updates and securing access to the centralized database.
- Led team of 4 developers to build warehouse dashboard using a **serverless microservices design, Infrastructure-as-Code (IaC), and CI/CD automation**. Project is estimated to save **\$13.5+ million annually** for operations.
- Implemented comprehensive front-end and back-end testing protocols using Jest, along with continuous API monitoring, enhanced system performance and **reduced bug discovery time by 50%**.
- Architected Financial Solution dashboard with **ETL pipeline** for daily financial data input of **500,000** records daily and live data loading to modify existing centralized data for analysis and reporting.

Project Engineer @ Ecotron

Los Angeles, CA | June 2021 - Aug 2021

- Developed and integrated CRM tool for internal **500+ unique clients** database.
- Implemented a **CI/CD pipeline** in a production environment, resulting in a **30% enhancement** in workflow efficiency and a significant reduction in deployment time.
- **Defined hardware and software KPI's** for internal key stakeholders: hardware failure rate, inventory control, cost per unit, customer feedback, etc; led to engineering sample launch for **\$2 million engineering contract project**
- Drove a **20% increase** in product adoption through insightful, data-driven market analyses.

Product Engineer @ Optimal Engineering

Plymouth, MI | May 2018 - Aug 2018

- Collected and **analyzed radar data** using Python (Matplotlib, NumPy, Pandas) for training autonomous driving AI models; **increased accuracy of data gathering systems by 30%**; built testing equipment for radar accuracy.
 - Authored and managed meticulous technical documentation for real-time data acquisition systems, improving team comprehension of system operations and **reducing troubleshooting time by 40%**.
 - Prototyped real-time visualization tool, leading to a **50% improvement** in the efficiency of radar data collection.
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PROJECTS

[Open-Source Project Evaluator](#) | Software Project

Sep 2021 - Dec 2021

- Open-Source Project Evaluator aimed to help companies integrate and evaluate enterprise level open-source projects
- Created **REST API** using Node.js and Express.js to allow others to connect and use application
- Wrote testing suite for **CI/CD** with GitHub actions and deployed container using Google Cloud Run/GKE

[Advanced Audio & Gaming Infotainment System](#) | Software Project

Sep 2021 - Nov 2021

- Created smart sound and infotainment system for automotive vehicles using Bluetooth and various sensors

[DeepFreight Map Optimization](#) | Purdue Research Team

Jan 2020 - Apr 2020

- Developed software/algorithm to optimize the battery charging route for autonomous electric vehicle services
- Defined key metrics, timelines, technical requirements, and project plan, for project roadmap

EDUCATION

Purdue University | West Lafayette, IN

May 2022

- Bachelor of Engineering in Computer Engineering

CERTIFICATIONS

AWS Associate Solutions Architect, AWS Tech U Graduate