

Grant Starkman

SOFTWARE ENGINEER | ELECTRONICS TECHNICIAN | ACTIVE TOP SECRET CLEARANCE | US CITIZEN

☎ (702) 677-6396 | ✉ grant.starkman@gmail.com | 🏠 grantstarkman.com | 📻 7empestx | in grant-starkman

Experience

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Orem, Utah

SENIOR FULL STACK SOFTWARE ENGINEER

November 2023 - May 2024

- Collaborated with developers to design and implement frontend features for a dual-sided application leveraging React, MaterialUI, and JavaScript, achieving 90% code coverage to ensure high-quality, reliable brand- and retail-facing interfaces.
- Developed and maintained robust APIs using the Serverless framework with JavaScript, leveraging Sequelize ORM with a PostgreSQL relational database, resulting in a 30% increase in query performance and enabling seamless data retrieval for critical business applications.
- Automated the seeding of databases using Python and the Faker library to populate realistic test data that simulate real-world scenarios, enhancing data accuracy for testing and reducing setup time by 30%.
- Collaborated closely with product and design teams using Visily to streamline the UI design process, delivering a user-centered product that improved user satisfaction by 20%.
- Conducted research spikes on new technical solutions for Shopify integrations into existing software architecture and authored technical documentation to describe APIs and product functionality, enabling seamless integration.

Amazon Web Services

Denver, Colorado

AMAZON DEDICATED CLOUD ENGINEER - REGION SERVICES

December 2022 - November 2023

- Led the development and design of a powerful and intuitive React TypeScript frontend dashboard, utilizing the Cloudscape design library, including graphs and metrics for comprehensive insights and tooling for efficiently processing customer refunds, improving workflow transparency and reducing refund processing time by 25%.
- Designed and built data-intensive, RESTful, scalable Python AWS Lambda functions that seamlessly interact with other internal APIs and partner applications, reducing data processing time by 30% and increasing system efficiency.
- Championed AWS CodeCatalyst CI/CD actions using TypeScript that interact with the AWS SDK, including one action that invalidates the AWS CloudFront cache and another that executes applicable Terraform commands, which were made available to millions of AWS CodeCatalyst customers, enhancing deployment processes globally.
- Established and managed an open-source AWS CodeCatalyst GitHub organization, taking ownership of empowering developers worldwide to contribute their custom actions to streamline workflows and enhance collaboration across the global development community.

Projects

VozAmigo | Typescript, React, AWS CDK, S3, Lambda, ECS, ECR, API Gateway, Cloudfront, Route53, ACM, Docker

- Developed 'VozAmigo,' an AI-powered language learning platform, utilizing a React frontend and a serverless AWS Lambda backend, integrating large language models (LLMs) and significantly improving user interaction and personalized learning experiences through the Google Gemini API.

DecentralizedVoting | Typescript, Web3, Solidity, Truffle, Infura

- Developed a decentralized voting system on the Ethereum blockchain using Solidity smart contracts and TypeScript, ensuring secure and transparent elections while leveraging blockchain technology for integrity and immutability.

GrantStarkman.com | Javascript, React, HTML, CSS, AWS

Skills

Languages TypeScript · C++ · C · Python · Java · PHP · JavaScript · SQL

Frontend Development React · Angular · AWS UI Components · Material UI · Next.js

Backend Technologies Node.js · AWS (Lambda, API Gateway, S3, DynamoDB, RDS, CloudFront, Route53) · RESTful API Development

Backend Tools MySQL · PostgreSQL · Serverless · Sequelize · Postman

Testing and Quality Assurance Jest · Vitest · Selenium · Cypress

Education & Certifications

University of Nevada, Las Vegas

BACHELORS OF SCIENCE - COMPUTER SCIENCE

Las Vegas, Nevada

Spring 2018 - Fall 2022

Amazon Web Services Certifications

CERTIFIED DEVELOPER ASSOCIATE & CERTIFIED CLOUD PRACTITIONER

Denver, Colorado

2023