Grant Starkman

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

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Experience

Thatch   *Orem, Utah*
SENIOR FULL STACK SOFTWARE ENGINEER   *November 2023 - May 2024*

- Led the development and maintenance of a high-performance, scalable web application using Angular and TypeScript, integrating with AWS services (Lambda, S3, RDS) and Bitbucket for version control. Improved application efficiency and user experience by optimizing cloud resource usage and implementing CI/CD pipelines.
- Architected and implemented robust back-end solutions with PHP, leveraging Docker for containerization to streamline development and deployment processes. Enhanced system reliability and scalability, supporting business growth and increasing service availability.
- Developed and enhanced front-end features using React and JavaScript, focusing on creating intuitive, user-friendly interfaces. Employed best practices in responsive design and accessibility to ensure a seamless experience across various devices and accessibility needs.
- Engineered a serverless architecture using JavaScript and the Serverless Framework, with PostgreSQL for database management. This approach significantly reduced operational costs and improved scalability, enabling efficient handling of variable workloads and rapid feature deployment.

Amazon Web Services   *Denver, Colorado*
AMAZON DEDICATED CLOUD ENGINEER - REGION SERVICES   *December 2022 - November 2023*

- Designed and developed AWS CodeCatalyst CI/CD actions using Object Oriented Design, improving automation and efficiency for thousands.
- Developed diverse, accessible, and comprehensive React-TypeScript tooling, utilizing aria labels and i18n to promote equal opportunity and enhance user experience, accommodating individuals with visual impairments or disabilities.
- Designed and developed highly reliable and distributed AWS microservice solutions, using AWS CDK with Typescript for deploying RESTful API Gateway endpoints, AWS Lambda with Python, and AWS DynamoDB, optimizing efficiency and user experience.
- Demonstrated passion for technology by taking the creation and ownership of a GitHub organization for open-source AWS CodeCatalyst actions, proactively addressing issues, and ensuring the delivery of quality solutions.
- Participated in Agile practices including sprint planning, daily standups, and retrospectives.
- Engaging directly with end engineering users to understand their needs and improve their experience

JT4 LLC   *Las Vegas, Nevada*
ELECTRONICS TECHNICIAN II   *November 2019 - August 2022*

- Spearheaded the installation of QT based instrumentation systems, implementing real-time Unix-based data and signal processing environments capable of receiving UDP and TCP/IP network traffic from up to 15 distinct Ethernet servers.
- Troubleshot hardware, software, and network issues using various diagnostic tools including an Oscilloscope to analyze signals, Wireshark to collect data, and networking tools such as ping and ifconfig to assess network health.
- Developed and optimized Linux/bash scripts to automate and troubleshoot QNX systems, aligning with best practices for integrating software with hardware in a Linux environment.

Projects

VozAmigo | Typescript, React, AWS CDK, Lambda, API Gateway, Cloudfront, Docker

- Developed "VozAmigo," an AI-powered Language Learning Companion, featuring a TypeScript React front end and a Docker-backed AWS Lambda back end. This application integrates with the Google Gemini API to enhance user interaction and learning outcomes.

Skills

Languages	TypeScript · C++ · C · Java · PHP · Javascript · SQL
Frontend Development	React · Angular · Awsui-Components-React · MaterialUI · NextJS
Backend Tools	MySQL · Postman · PostgreSQL · Sequelize
CI/CD Tools	AWS CodePipeline · Docker · Git · Bitbucket Pipelines

Education & Certifications

University of Nevada, Las Vegas   *Las Vegas, Nevada*
BACHELORS OF SCIENCE - COMPUTER SCIENCE   *Fall 2022*

Amazon Web Services Certifications   *Draper, Utah*
CERTIFIED DEVELOPER ASSOCIATE & CERTIFIED CLOUD PRACTITIONER   *2023*