

Farzin Adil

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EDUCATION

San Jose State University

San Jose, CA

Bachelor of Science in Software Engineering

August 2018 - December 2022

- Relevant coursework: Data Structures and Algorithms, Object-Oriented Design, Computer Networks, Operating Systems, Enterprise Software, and SQL/Database management systems

EXPERIENCE

Software Engineer

April 2023 – Present

Lockheed Martin

Moorestown, NJ

- Engineered high-availability, mission-critical systems by developing Java-based server software with failover and redundancy for power infrastructure
- Achieved over \$40,000 in savings previously spent on specialized hardware by implementing safety-critical functionality
- Optimized LRDR (Long Range Discrimination Radar) maintenance, designing and integrating a monitoring solution that oversees 1,000+ hardware components and includes power-toggle functionality to streamline system upkeep
- Accelerated feature testing by building a simulator plugin, enabling engineers to mock diverse system components and ensure bug-free implementations before deployment

QA Engineering Intern

June 2022 – August 2022

CDK Global

San Jose, CA

- Automated pipeline to build and deploy to development and production using GitHub Actions, resulting in an 11.5-minute reduction in developer deployment time
- Designed and implemented a REST API for Taxes and Fees functionality using Node, TypeScript, and PostgreSQL
- Led the orchestration of an Airflow job with a Python DAG to automate bulk updates of tax and fee data
- Orchestrated an Airflow job with a Python DAG to automate bulk updates of tax and fee data
- Introduced an automated workflow for Coverity vulnerability analysis using GitHub Actions

Systems & Web Development Intern

August 2021 – May 2022

Linqto

San Jose, CA

- Implemented Google Analytics to monitor user behavior on the conference website
- Designed and added new web page elements to enhance the conference website's user experience using HTML
- Created a live Zoom webinar raffle feature by integrating the Zoom API, increasing attendee engagement and interactivity during conferences

PROJECTS

Flyingcarz.io | AWS Lambda, API Gateway, Node.js, MongoDB, Selenium

January 2021 – January 2022

- Built a tool for tracking and visualizing trends in average market prices of specific automobiles
- Developed API and designed database schema using MongoDB, Express, and Node.js
- Used Python and Selenium for scraping data on automobile listings
- Deployed serverless REST API with AWS Lambda and API Gateway

Dogefather | Python, Twilio API, Google Vision API

February 2021 – May 2021

- Developed a Twitter bot to send an SMS when crypto/finance influencers tweet about a stock or cryptocurrency with Python using Twitter and Twilio API
- Detects symbols related to cryptocurrencies in tweets containing images with Google Vision API
- 50+ stars on GitHub

TECHNICAL SKILLS

Languages: Java, Javascript, Python, SQL (Postgres), JavaScript, TypeScript, HTML/CSS

Frameworks: Node.js, Express.js, JUnit

Developer Tools: Git, Docker, AWS, GCP, GitHub Actions, IntelliJ, Eclipse, Jenkins, Maven

Libraries: React, Selenium, Playwright

Other: MongoDB, Jenkins, Linux (RHEL), Kubernetes, XML, JSON