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 a scalable Java based server solution that improved system reliability and performance through failover and redundancy, implemented within an agile development framework
- Achieved over $40,000 in savings previously spent on specialized hardware by implementing safety-critical functionality using Java
- Developed Spring Boot based REST microservices to simulate inbound/outbound RMP messages, improving integration reliability, slashing lab debug time, and cutting support requests by up to 80%
- Integrated SQL driven monitoring to track 1,000+ hardware components, ensuring optimal system performance and real-time visibility in a critical environment
- Increased class code coverage by 14% by writing and refactoring unit tests with JUnit and Mockito; integrated JaCoCo into Jenkins pipelines for tracking

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
- 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* — Febuary 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, PostgreSQL, Groovy, TypeScript, HTML/CSS, Bash
Frameworks: Node.js, Express.js, JUnit, Mockito, Robot Framework, Spring Boot
Developer Tools: Git, Docker, AWS, GCP, GitHub Actions, IntelliJ, Eclipse, Jenkins, Maven
Libraries: React, Selenium, Playwright, JaCoCo
Other: MongoDB, Linux (RHEL), Kubernetes, XML, JSON