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Glen Allen, VA
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Fardeen Khan

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EDUCATION

University of Virginia - Bachelor of Science, Computer Science 08/2020-05/2024

GPA: 3.4

Relevant Coursework: Software Engineering, Algorithms, Computer Architecture, Operating Systems, Database Systems, Machine Learning, Intro to Aerospace Engineering

SKILLS

Languages Java, C, C++, Python, JavaScript, Ruby, Scala

Tools/Techniques Django, Spring Boot, SQL, Unix, Git, Node.js, AWS Fargate, Parallel Computing

WORK EXPERIENCE

Capital One 06/2023 — present
Software Engineering Intern McLean, VA

- Save 400+ hours annually by creating internal, self-service application to display delivery status of 1.6 billion messages sent annually to customers.
- Develop and test micro-frontends and RESTful endpoints using Vue.js, Node.js, Fastify, AWS Fargate and Jenkins.
- Configure RESTful endpoints to retrieve specific data hosted on DynamoDB server.
- Collaborate with other team members remotely and in-office in hybrid Agile environment.

Kinsale Insurance Company 05/2022 — 8/2022
Information Technology Intern Richmond, VA

- Reduced build deployment times by 70% by automating behavior-driven test scripts for claims software.
- Used Ruby RSpec, Watir, Selenium drivers and Active Record SQL calls to run in Github Actions CI/CD Pipeline.
- Performed HTTP calls to RESTful services and load/stress test controllers.
- Enabled pipeline to automate 85% of high priority test cases.

Spanalytics, LLC 06/2019 — 08/2019
Software Engineering Intern Glen Allen, VA

- Built JavaScript web-application to capture and graph real-time network usage statistics of Internet-of-Things devices.
- Retrieved data from SQLite database and create quantitative visualizations using D3.JS.
- Created live graph conveying packet payload usage on various channels of Bluetooth Low Energy, Wifi, and Zigbee protocols.
- Deployed visualizations onto web application using React front end and run on Node.

PROJECTS AND ACTIVITIES

HoosEating 02/2023 — 05/2023
Database Project

- Utilized PHP and MySQL Server to build and deploy application used to rate, find, and discuss 300+ restaurants around Charlottesville, VA area.
- Configure database in normalized structure, implemented optimized queries and checks and triggers to automate database actions.
- Collaborate with two students to distribute responsibilities for final deliverable.

Word of Mouth 01/2022 — 05/2022
Web Project Link

- Created application with group of students for posting, sharing, viewing and forking recipes with others.
- Django back-end using PostgreSQL database, styled with Bootstrap and deployed on Heroku server.
- Implemented Google login API for social capabilities such as commenting on and posting recipes and AWS S3 to store uploaded images of each recipe
- Practiced weekly Scrum meetings and Test-driven development with GitHub Actions CI.

stockWatch 06/2021
Personal Project

- Created a display to show live updating prices of stocks and cryptocurrencies.
- Used Java with concurrency and YahooFinance API to store data of prices in PostgreSQL database using JDBC API.
- Query and display current prices of stocks and cryptocurrencies.