Khizar Saud

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EDUCATION

Rutgers University — New Brunswick, NJ
Bachelor of Science in Computer Science — *Jan. 2021 – Dec. 2023*

SKILLS SUMMARY

Languages: Java, Python, C, SQL, MongoDB, JavaScript, HTML/CSS
Frameworks: React, Node.js, Flask, JUnit
Developer Tools: Git, Docker, Cloud Platform, VS Code, Visual Studio, PyCharm, IntelliJ, Eclipse

EXPERIENCE

Software Engineer Intern — June 2023 – Sept 2023
Cisco Systems — *San Jose, CA*
- Engineered a Chaos Engineering Dashboard, automating device testing through custom-built RESTful APIs using Flask and Python.
- Deployed MongoDB pipelines for real-time analytics, capturing device metrics, software anomalies, and version-specific data.
- Leveraged a tech stack of Python, Flask, React.js, and MongoDB, containerized via Docker, and fortified with PyTest for robust, scalable deployment.

Software Engineer Intern — Jun. 2022 – Sept. 2022
Cisco Systems — *New Brunswick, NJ*
- Implemented a File Analysis Service deployed on Cisco networks, designed to automate error analysis from Cisco switches.
- Developed RESTful APIs using Flask and Python for automated log analysis, capturing failed test cases and error diagnostics.
- Assisted the testing team by automating log file parsing, reducing manual effort needed to identify job or test failures.
- Integrated the service into Cisco's testing ecosystem, utilizing Python, Flask, React, and Jenkins.

Business Owner — Jan 2015 –
Cellphone Ventures LLC — *East Brunswick, NJ*
- Founded and scaled a tech-centric retail business specializing in electronic repairs, covering a broad spectrum of devices from cellphones to laptops across multiple mall locations.
- Implemented inventory and payroll systems, leveraging custom-built software solutions to streamline operations and financial management.
- Excelled in specialized technical tasks including component-level soldering, raising the business's repair capabilities beyond standard service offerings.

PROJECTS

RU Pizza | *JavaFX*
- Developed a full-stack web application using with Flask serving a REST API with React as the frontend
- Employed Java Unit Tests and Interface-based design patterns, reinforcing code quality and application reliability.
- Executed comprehensive Black Box Testing to rigorously validate the application's functional requirements and enhance user satisfaction.

ClientEngage | *React.js, MongoDB* — May 2018 – May 2020
- Created a full-fledged React web application for a local business, designed to effectively present services to a targeted client base.
- Implemented SEO and UX best practices, strategically driving organic traffic and maximizing user engagement.

HONORS, AWARDS, ACTIVITIES

Awards: 5x Deans Honors List
Clubs: President of Muslim Student Association