Khizar Saud

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EDUCATION

Rutgers University   January 2021 – December 2023
Bachelor of Science in Computer Science   *New Brunswick, New Jersey*

SKILLS SUMMARY

Languages: Java, Python, C, SQL, JavaScript, HTML/CSS
Frameworks/Libraries: Django, Flask, React, PyMongo, PyTest , PyATS
Developer Tools: Git, Docker, VSCode, PyCharm, IntelliJ, Eclipse, Jenkins, Scrum

EXPERIENCE

Cisco Systems   June 2023 – September 2023
Software Engineer Intern   *San Jose, CA*
- Developed Chaos Engineering Dashboard, automating device testing using custom Flask and Python RESTful APIs, resulting in a 90% reduction in testing time.
- Implemented MongoDB pipelines for real-time analytics, capturing crucial device metrics, software anomalies, and version-specific data, leading to a 30% improvement in decision-making.
- Utilized Python, Flask, React.js, and MongoDB, containerized within Docker, and enhanced with PyTest, achieving a robust and scalable 99.9% system uptime.

Cisco Systems   June 2022 – September 2022
Software Engineer Intern   *Remote, NJ*
- Authored device-side scripts with the PyATS framework, optimizing network testing and validation.
- Established an Automated Error Analysis Service for Cisco, enhancing Cisco device diagnostics.
- Designed RESTful APIs (Flask and Python) for automated log analysis, improving error detection.
- Integrated service into Cisco's testing ecosystem, utilizing Python, Flask, React, and Jenkins for streamlined automation.

Cellphone Ventures LLC   January 2015 - Present
Business Owner   *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 | *Mobile Phone Application*
- Deployed a full-stack mobile phone application using JavaFx and Android Studio, resulting in a seamless user experience.
- Implemented Java Unit Tests and utilized Interface-based design patterns, leading to elevated code quality and enhanced application reliability.
- Conducted rigorous Black Box Testing to validate functional requirements, ensuring a polished and user-friendly application.

ClientEngage | *Automated Client Management*
- Orchestrated a React.js and MongoDB-based web application for automated client management, including client information tracking and rent payment automation.
- Introduced automated reminders and financial reporting, streamlining financial management and ensuring punctual transactions for clients.

HONORS, AWARDS, ACTIVITIES

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