Khizar Saud

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EDUCATION

Rutgers University   New Brunswick, New Jersey
Bachelor of Science in Computer Science - GPA : 3.7   *January 2024*

EXPERIENCE

Cisco Systems   June 2023 – September 2023
Software Engineering Intern   *San Jose, CA*

- Achieved a 90% reduction in device testing time by leading a Chaos Engineering initiative, creating automation tools with Python, Jenkins, React, and Node.js.
- Streamlined managerial decision-making by designing an interactive dashboard with real-time data visualizations, enhancing test process tracking.
- Dramatically improved bug tracking efficiency through a monitoring system with custom filters, expediting failure analysis and issue resolution.

Cisco Systems   June 2022 – September 2022
Software Engineering Intern   *San Jose, CA*

- Authored PyATS scripts for devices like the Catalyst 9000 Switches, enhancing network stability and efficiency
- Developed a web-based file analysis service using Python, Flask, Jenkins, MongoDB, pinpointing test case failures with detailed failure analysis.
- Designed and integrated RESTful APIs into Cisco's testing ecosystem, improving automated log analysis and error detection with Python, Flask, React, and Jenkins.

CellPhone Ventures LLC   January 2018 – December 2023
Founder   *New Brunswick, NJ*

- Founded and scaled a multi-outlet electronics repair business, demonstrating strategic leadership and comprehensive retail operation management.
- Engineered and implemented custom software solutions for inventory management and payroll, optimizing business workflows and financial operations.
- Performed Advanced technical service capabilities through component-level soldering, establishing a reputation for excellence in electronics repair.

PROJECTS

FitTrack | *Health Management Dashboard*

- Product Owner, directing full-stack development through React and Python with Flask. Utilized JIRA and Confluence for sprint coordination, and implemented real-time health metric tracking as well as role-based access.
- Innovated user engagement features such as a custom chatbot trained on health data via OpenAI for fitness QA, and a FitTrack Gym Finder via Google Maps API that locates the nearest gym to a user's device location.
- Directed comprehensive testing and quality assurance with Jest, Pytest, and Selenium, ensuring robust functionality and user experience.

ClientEngage | *Client Management Web Solution*

- Developed a web solution for automated client management using React.js and MongoDB, streamlining client information tracking and rent payment.
- Integrated automated reminders and financial reporting features, championing agile methodologies, and facilitating accurate and timely transactions.
- Enhanced the user interface for intuitive navigation and scalability, ensuring seamless user experience across diverse client interactions.

SKILLS SUMMARY

Languages: Python, Java, JavaScript, HTML/CSS, NoSQL/SQL, Postgres
Frameworks/Libraries: Django, Flask, React, PyMongo, PyTest , PyATS
Developer Tools: Git, Docker, VSCode, PyCharm, IntelliJ
DevOps/WorkFlow: Jenkins, Scrum, MongoDB Atlas