Syed Nadeem

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Detail-oriented technology professional passionate about harnessing innovation to drive business growth, improve processes, and enhance security. Proven ability to analyze complex problems, develop creative solutions, and lead teams in implementing cutting-edge technologies. Skilled in a range of domains, including data analysis, cybersecurity, cloud computing, artificial intelligence, and software engineering.

Core Expertise

Python | PL/SQL | JavaScript | Bash | Java | PHP | SQL | TypeScript | HTML | CSS | C# | Flask | NodeJS | OracleDB | MySQL | MongoDB | Postgres | Docker | Docker Compose | React | Linux | Unix | AWS | Azure | GCP | Git | GitHub Copilot | Visual Studio Code | Eclipse | IntelliJ | CLI | Agile | Scrum | Kanban | Jira Align | Jira Cloud | Rally | GitHub Actions | Jenkins | SoX Compliance | Vulnerability Scanning | Security Risk Management | Docker Security | APScheduler | Web Scraping | Sklearn | Pandas

Professional Experience

Software Engineer II · Cisco Systems   Oct 2021 - Nov 2024

- Developed a file notification and daily reporting system for bank statements (PDRs), monitoring 700+ accounts, significantly reducing support processing time for missing files using Python and Oracle PL/SQL.
- Designed and implemented a monthly fee file processor (CAMT086), delivering insights on fees exceeding $50k/month across three bank partners and multiple currencies using Python and Oracle PL/SQL.
- Introduced AI-driven data classification using Python, Sklearn (Random Forest Classifier), and Pandas to categorize fee data, streamlining reporting and enabling better drill-down analysis of bank fees.
- Led backend enhancements for SpringBoot applications, collaborating with frontend teams to meet diverse business requirements.
- Supervised a team of three developers in the management, maintenance, and enhancement of SoX-compliant applications, ensuring regulatory compliance and audit readiness.
- Spearheaded security improvements for legacy applications by upgrading Docker images, updating core libraries, and modernizing credential storage, aligning with industry standards.
- Managed risk assessments for third-party applications, working with business teams, and infosec to identify and mitigate risks.
- Ensured compliance with internal and industry-standard security metrics, implementing fixes to resolve high/critical vulnerabilities, achieving a 94% closure rate.

Student Worker · Kean University, Office of Research and Sponsored Programs (ORSP)   May 2018 - May 2021

- Created a comprehensive knowledge base to outline technical and non-technical processes and procedures for everyday tasks and activities related to ORSP operations and upkeep.
- Assisted with processing and automating registrations and projects materials for Kean Research Days.
- Designed and developed a web-based management system for Kean Research Days, utilizing Node.js (EJS & Express), Bootstrap, and MongoDB, to streamline registration and event management.

Personal Projects

FIA Document Summarizer   Nov 2024 - Present

- Developed a Formula One document summarizer using Python, Flask, SQLite, APScheduler, and Jinja templates, enabling customizable scheduling and filtering of documents for automated processing.
- Implemented web scraping of the FIA documents site to detect and summarize new race-related documents using llama3.2 deployed via Ollama and delivering summaries to users via Discord webhooks.
- Integrated GitHub Actions for automating Docker container builds, streamlining deployment, and conducting security scans to ensure up-to-date library usage.

Education

Master of Science, Computer Information Systems · Kean University
Bachelor of Science, Computer Science · Kean University