Rushil Shah | Software Engineer

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SUMMARY

Software Engineer with **4+ years** of experience developing enterprise web applications, REST APIs, backend services, and automation frameworks across banking and healthcare domains. Skilled in Typescript, Python(Flask, Django), React.js, SQL, micro services, Selenium, Cypress, Postman, and CI/CD pipelines with hands-on experience supporting Agile development, production support, API integrations, and release automation. Proven track record improving application performance, increasing regression coverage, reducing production defects, and delivering scalable software solutions aligned with Software Engineer, Full Stack Developer, SDET, and QA Automation Engineer opportunities.

PROFESSIONAL EXPERIENCE

Software Engineer **Oct 2024 - Present | ON, Canada**
RBC

- Developed Typescript and Python(Flask, Django)services supporting digital banking workflows used by more than 250,000 customers monthly, improving transaction completion rates by 18% through optimized backend request processing and API integrations.
- Built React.js interfaces and reusable frontend modules that reduced page rendering delays by 22%, improved navigation consistency, and shortened feature delivery timelines across customer onboarding and account management applications.
- Created Selenium, Cypress, and Postman automation suites covering critical banking workflows, increasing regression coverage from 58% to 87% while reducing manual validation time by nearly 35% during release cycles.
- Improved SQL query execution and backend response handling, decreasing API response latency from 3.8 seconds to 2.1 seconds for payment processing and customer transaction services supporting enterprise banking platforms.
- Integrated REST APIs for authentication, payment verification, and account services, reducing failed transaction incidents by 24% and improving secure communication between customer applications and internal banking systems.
- Supported Jenkins and GitHub Actions deployment pipelines processing weekly production releases, reducing deployment rollback incidents by 31% through automated build validation and release activities across multiple environments.
- Resolved production issues involving API failures, database inconsistencies, and authentication defects, decreasing average incident resolution time by 28% and improving application stability across customer-facing banking platforms.
- Participated in Agile delivery cycles with developers, QA engineers, and product teams, consistently completing sprint deliverables on schedule while supporting code reviews, release coordination, and production deployment readiness activities.

Associate Software Engineer **Mar 2021 - Aug 2023 | India**
CitiusTech

- Developed healthcare applications using Typescript, Python(Flask, Django), SQL, and REST APIs supporting patient scheduling and claims processing systems handling more than 120,000 daily healthcare transactions across enterprise operational environments.
- Designed React.js user interfaces and frontend workflows that improved page accessibility, reduced navigation steps by 27%, and simplified appointment management activities for healthcare coordinators and support staff across departments.
- Built Selenium and TestNG automation frameworks validating healthcare workflows, increasing automated regression coverage by 40% while reducing repetitive testing effort and improving release validation consistency across production deployments.
- Executed API validation and backend integration testing using Postman, identifying critical authentication and data synchronization issues before production deployment, helping reduce post-release defects by approximately 30% across applications.
- Enhanced Jenkins CI/CD workflows and automated build validation activities, reducing integration failures by 25% while supporting reliable deployment coordination across development, testing, and production healthcare application environments.
- Optimized SQL procedures and backend processing logic supporting patient and claims data management, reducing report generation time by 33% and improving overall application responsiveness for healthcare operations teams.
- Investigated recurring production defects, analyzed application logs, and implemented fixes that lowered recurring issue counts by 29% while improving application reliability across enterprise healthcare technology platforms and backend services.
- Collaborated with software developers, QA teams, analysts, and support engineers throughout agile sprints, contributing to successful feature releases, production support activities, and end-to-end testing for healthcare software applications.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, Typescript, Python, SQL
Frontend Technologies: React.js, HTML5, CSS3, Material UI
Backend & API Development: Python(Flask, Django), Node.js, REST APIs, Microservices, JSON, API Integration
Automation & Testing: Selenium WebDriver, Playwright, Cypress, Postman, JUnit, TestNG, API Testing, Regression Testing, Functional Testing, Smoke Testing, UI Testing, Test Automation
Databases: MySQL, PostgreSQL, MongoDB
Cloud, DevOps & CI/CD: AZURE, Docker, Jenkins, GitHub Actions, Git, Maven, CI/CD Pipelines
Tools & Platforms: PyCharm, VS Code, Jira, Confluence
Methodologies: Agile, Scrum, SDLC, Continuous Integration, Continuous Deployment, Code Reviews, Debugging, Production Support, Release Management

EDUCATION

IT in Augmented Reality & Virtual Reality **Apr 2025 | ON, Canada**
Algoma University
Bachelor of Science In Information Technology **Apr 2023 | India**
GLS University