

MRUTYUNJAY PATIL

Software & Security Engineer

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PROFESSIONAL EXPERIENCE

INFOSYS LTD.

Mysore, IN

Specialist Programmer

APRIL 2025 - Present

- Collaborated with senior architects and cross-functional leads to integrate CI/CD observability features, boosting deployment efficiency by 35% and reducing release-related downtime by 40%.
- Authored comprehensive Proof-of-Concepts (POCs) and conducted knowledge-sharing workshops for internal teams, improving adoption of modern frameworks.

Key Projects

- **Jenkins Monitor**
 - Architected and implemented a real-time Jenkins pipeline monitoring system using Next.js (frontend) and NestJS with MongoDB (backend) using Typescript; improved visibility across 100+ pipelines.
 - Automated discovery, classification, and tracking of pipelines with webhook integration; reduced manual effort by 60%.
- **AutoC4 (Automated Code Cartographer)**
 - Built an AI-powered system to parse enterprise-scale codebases using Tree-sitter and generates C4 architecture diagrams automatically.
 - Integrated with Azure OpenAI and LangGraph to enable RAG-powered natural language queries over codebases; reduced developer onboarding time by 70%.

INFOSYS EQUINOX

Mysore, IN

Systems Engineer

DECEMBER 2022 - MARCH 2025

- Resolved 4,000+ security vulnerabilities across all Equinox microservices within 6 months, significantly strengthening platform security posture and meeting compliance benchmarks.
- Spearheaded migration of 50+ Spring Boot microservices from version 2.x to 3.x and Apache Camel routes from 2.x to 4.x, ensuring compliance with new Jakarta EE standards and boosting performance by 25%.
- Led a team of 5 developers in an agile POD setup, ensuring on-time delivery of SDK generation milestones two months ahead of schedule.

Key Projects

- **Snyk Dashboard**
 - Designed and implemented a centralized DevSecOps Snyk-powered dashboard using Streamlit and Python to provide real-time visibility into vulnerabilities across all microservices in the platform.
 - Reduced average vulnerability resolution time by 40% and improved compliance tracking for internal audits, vulnerability triaging and sprint-level reporting, enabling security bulletins for each release.
- **Apache Camel Migrator**
 - Developed a custom migration utility in Python to update Apache Camel routes and refactor deprecated XML DSL across 500+ routes.
 - Automated transition from deprecated javax packages to modern jakarta equivalents and several other libraries, accelerating migration timelines by 55%.

EDUCATION

DR. BABASAHEB AMBEDKAR TECHNOLOGICAL UNIVERSITY

Maharashtra, IN

Bachelor of Technology in Mechanical Engineering - CGPA: 9.62/10.0

2019-2022

- Awards: Mr. Engineer of the year. Academic topper throughout all the years.

ADDITIONAL INFORMATION

- **Technical Skills:** Java, Python, Typescript, Spring Boot, Microservices Architecture, RESTful APIs, Angular, React, Next.js, NestJS, MongoDB, MySQL, SQLite, Jenkins, Git, Docker, Kubernetes, AWS, Microsoft Azure.
- **Certifications:** Infosys Certified Spring Boot Developer, Infosys Certified Java Developer, Infosys Certified Microservices Developer, Infosys Certified Generative AI Professional
- **Awards:** Recognized with the *Above and Beyond Award* and *Spotlight Engineer Award*.