

Shlok Mestry

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with 3+ years of experience building, testing, and delivering enterprise-grade software solutions using Java, Spring Boot, Python, JavaScript, React, REST APIs, and cloud-native platforms. Proven expertise across the full SDLC, including architecture, development, CI/CD, security, databases, and containerized deployments using Docker and Kubernetes. Strong background in cloud integration, distributed systems, DevOps tooling, and AI-powered applications, with hands-on exposure to machine learning models and automation pipelines. A self-driven engineer with excellent communication skills and a proven ability to thrive in fast-paced, global environments.

SKILLS & INTERESTS

Programming Languages	: Java, Java EE, Python, JavaScript, TypeScript, Kotlin, Dart
Frontend & Web	: React, HTML5, CSS3, REST APIs, JSON, XML
Backend & Frameworks	: Spring Boot, Node.js, Firebase, Microservices Architecture
Databases	: PostgreSQL, MySQL, DB2, Redis
DevOps & CI/CD	: Jenkins, GitHub Actions, Ansible, Maven
Cloud & Containers	: AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes
Security & Auth	: OAuth2, JWT, SSO
AI & Data	: Machine Learning, XGBoost, Random Forest, LLM fundamentals, Vector Embeddings
Tools & Platforms	: Eclipse, IntelliJ, Linux, Windows, Jira, Git

WORK EXPERIENCE

Founder & Software Engineer, Boxed App, Dublin, Ireland <ul style="list-style-type: none">Designed, built, and shipped cross-platform mobile and backend applications serving real-time usersDesigned secure authentication flows using OAuth2 and JWTDesigned resilient, scalable, and maintainable microservicesDeployed microservices on AWS, leveraging CI/CD pipelines with GitHub Actions and Jenkins.Integrated AI-powered workflows and data pipelines for automated insights and system optimization.	May 2025 — Present
Software Engineer, Babylon Radio, Dublin, Ireland <ul style="list-style-type: none">Developed high-performance backend services using Java and Spring Boot, supporting >50,000 users.Built RESTful APIs, integrated PostgreSQL/MySQL, and optimized SQL queries for performance.Designed and deployed containerized services using Docker, integrated with CI/CD pipelines.Reduced production issues by 25% through proactive monitoring and performance optimization.Collaborated with global cross-functional teams, including QA, product, and engineering.	Jan 2024 — Present
Flutter Developer, Finoux Solutions, Mumbai, India <ul style="list-style-type: none">Developed secure backend-integrated mobile features for fintech payment and messaging systemsImplemented API-based data flows and structured data schemasWorked with cloud deployments and distributed servicesSupported SQL-based reporting and production debugging workflows	Feb 2023 — Sep 2023
Java Developer Intern, ARD Softech Pvt Ltd, Pune, India <ul style="list-style-type: none">Built enterprise REST APIs using Java and Spring Boot with 99.5% uptime.Designed transactional workflows and distributed authentication systems using PostgreSQL and Redis.Improved system performance by 40% via query optimization and caching strategies.Actively contributed to code reviews, system design discussions, and test-driven development.	May 2022 — Feb 2023

EDUCATION

Dublin Business School, Dublin, Ireland - Master's, Information Systems with Computing	Jan 2023 — Jan 2024
Thakur College of Science and Commerce, Mumbai, India - Bachelor's, Computer Science	Jan 2020 — Jan 2023

PROJECTS

VitaminD-Diabetes-ML-Prediction, Link <ul style="list-style-type: none">Developed a machine learning model using XGBoost, Random Forest, and Logistic Regression to predict Vitamin D deficiency in diabetic patients, leveraging the NHANES dataset for robust analysisBuilt cloud-based automated ML pipelines involving ETL workflows, data validation, and reproducible compute tasks.Implemented high-reliability execution patterns, automated testing, and performance monitoring across ML workflow stages.Applied strong software engineering principles to ensure deterministic behavior and scalable data processing.
Android Notes App, Link <ul style="list-style-type: none">Developed MyNotes, a feature-rich Android note-taking and reminder application as a final year bachelor's project, written in Java using Android's Room Database for local storage.Implemented Material Design UI with RecyclerView, custom animations, and adaptive layouts for tablet/phone supportBuilt CRUD operations with clean architecture pattern and repository layer for data abstractionIntegrated biometric authentication for secure note access and local backup/restore functionality

CERTIFICATIONS

Java Data Structures & Algorithms, Udemy	Mar 2024
AWS Academy Graduate - AWS Academy Introduction to Cloud Semester 1, Amazon AWS	Jan 2023