

DEVARANNAGARI PRANEETH KUMAR REDDY

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PROFESSIONAL SUMMARY

Java Backend Developer with 1 year of production experience building microservices for an AI-native enterprise core banking platform. Skilled in designing REST APIs and gRPC services, and working across account, transaction, and customer management flows. Hands-on with distributed caching, relational databases, containerisation, and test-driven development. Comfortable taking end-to-end ownership of backend features in fast-paced Agile teams.

TECHNICAL SKILLS

Core Java:	Java 8, 17, OOP, Collections, Exception Handling
Backend & APIs:	Quarkus, SpringBoot, RESTful APIs, gRPC, Protobuf, Microservices
Databases & Caching:	PostgreSQL, MySQL, Redis, Infinispan (distributed cache)
Testing & Code Quality:	JUnit 5, Mockito, TDD, Unit & Integration Testing, API Testing, SonarQube
Architecture:	Hexagonal Architecture, Event-Driven Architecture, SOLID Principles, Design Patterns
Tools & Methodologies:	Git, GitHub, Docker, Postman, VS Code, Agile Scrum, Azure Devops

WORK EXPERIENCE

Software Engineer Trainee — iCABO Global Private Limited Bengaluru | Oct 2025 – Present

iCABO Gen4 – an AI-native, cloud-native core banking platform built on modular, event-driven microservices, supporting end-to-end retail and commercial banking workflows with multi-tenancy and real-time adaptability.

- Worked end-to-end on the development of **10+ RESTful API endpoints** for **core banking products**, building and maintaining backend services in **Java** and **Quarkus** within a **hexagonal architecture** codebase.
- Designed **REST APIs** following **HTTP** standards and **gRPC** services with Protobuf contracts for reliable inter-service communication across account, product and transaction — applying clean architecture and OOP principles
- Implemented Infinispan distributed caching for frequently accessed business data, reducing repeated database queries by **approximately 60%** and improving response times for high-traffic API requests.
- Raised unit test coverage from **70%** to **90%** using **JUnit 5** and **Mockito**; performed structured debugging and root-cause analysis to resolve backend defects, build failures, and cache/balance-computation issues.
- Automated regression testing through a **YAML-driven test framework**, reducing manual validation effort by around 70%.
- Containerised and validated services using Docker; maintained version control with Git following branching and code-review best practices across the full development lifecycle
- Collaborated in **Agile/Scrum** sprints with product, backend, and QA teams — contributing to sprint planning, daily stand-ups, and code reviews to deliver features reliably and on time

PROJECTS

Payment Retry Engine | *Java, Quarkus, PostgreSQL, Docker, JUnit 5* code: [GitHub](#)

- Built a **payment engine** that guarantees a payment executes exactly once — even when clients retry after network timeouts — using idempotency keys and an outbox pattern to prevent duplicate charges and survive server crashes.
- Implemented exponential backoff retries with a dead letter queue for failed payments, and used SELECT FOR UPDATE SKIP LOCKED to ensure exactly-once processing across multiple service instances.

Amramrutam Mango Farm — Freelance Client Website | Deployed on Vercel | [Live Demo](#)

- Delivered a production marketing website for a real client with SEO optimisation; extended with a Java backend featuring REST APIs, PostgreSQL persistence, and dockerised deployment.
- Owned full delivery end-to-end — from API design to client integration — practising the same ownership model expected in production backend roles.

EDUCATION

Master of Computer Applications (MCA) — CMR Institute of Technology, Bengaluru Aug 2023 – Sep 2025 93.2%

Bachelor of Computer Applications (BCA) — CMR University, Bengaluru Oct 2020 – May 2023 83.2%

CERTIFICATIONS

Full Stack Web Development Training — TAP Academy (2025) [View Certificate](#)