

PRATIK BABASAHEB GORADE

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SKILLS

Primary Experience: Java, Git, SVN, Maven, Mockito, JUnit

Familiar with: Python, Bash/sh, Spring Boot, FastAPI, Flask, Linux, NGINX, Docker, Docker Compose

EXPERIENCE

Senior Software Engineer

Mar 2025 – Present

eQ Technologic

Pune, MH

- Engineered an **Out-of-Memory (OOM) Protection Feature** for the BI platform to preemptively terminate runaway data fetches, preventing catastrophic server crashes.
- Architected and implemented a custom graph engine integrating with existing off-heap, append-only columnar storage to render network charts scaling up to 10M edges on BI dashboards.
- Migrated Core libraries from java 11 to java 21

Software Engineer

Aug 2021 – Feb 2025

eQ Technologic

Pune, MH

- Core Java developer on the Business Intelligence and Analytics product team (eQube-BI).
- Designed and implemented **database-backed read-through caching** for AI-generated data insights across eQube-BI reports and snapshots.
- Developed a common **server startup framework for the BI application**, slashing startup latency by 50% (from 120 seconds down to 60 seconds).
- Built a **unified Maven parent POM** across ~10 modules, standardizing build configurations, dependency plugins, and CI consistency.
- Maintained and refactored the connection pool module handling CRUD operations, source connector configurations, and runtime dynamic pool initialization/hot-reloading.
- Systematically debugged complex codebase issues across release cycles; joined client investigations in air-gapped environments to diagnose critical defects and deliver production hotfixes.
- Integrated Project Lombok and MapStruct into the codebase, substantially eliminating boilerplate and streamlining DTO/bean mappings.
- Built and demonstrated a POC leveraging Prometheus JMX Exporter and Grafana dashboards for real-time connection pool telemetry.
- Developed an observability POC combining OpenTelemetry, Jaeger, and custom AspectJ annotations to enable non-intrusive method-level distributed tracing.

EDUCATION

MIT-WPU

Pune, MH

B.Tech, Computer Science and Engineering

Jul 2017 – May 2021

- Cumulative GPA: **9.37/10**
- Founding Member of The Script Group:
 - Organized competitive coding events and technical workshops for student cohorts.
 - Developed a CLI-based web scraper to automate student attendance retrieval from the college portal.