Ganesh Patil

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Professional Summary

- Backend engineer on Amdocs CatalogONE (multi-tenant telecom BSS): Java microservices with clear APIs and container-friendly deployments.
- Cloud-native toolchain hands-on: Docker, OAuth/JWT, REST API design, CI/CD; reading-deep on Kubernetes, Kafka, and AWS/GCP.
- Reliability minded: ∼15% faster APIs and ∼20% lower DB execution time delivered on telecom workloads at scale.

Professional Experience

Software Developer *Feb 2026 – Present*
Amdocs *Pune, India*

- Built and evolved **Java microservices** (Spring-based stack) with clear APIs and resilient error handling, delivering ∼15% faster responses.
- Wrote **JUnit** unit tests covering new services and validated behaviour against API contracts on 100% of pull requests before peer review.
- Used **Spring Data JPA** and **Hibernate** for catalog persistence with explicit transactions and indexed queries, cutting query time ∼20%.

System Analyst *Aug 2025 – Feb 2026*
Amdocs *Pune, India*

- Enhanced Java and Spring Boot microservices, improving API response times by ∼15% through targeted profiling and optimization.
- Investigated **production incidents** on telecom BSS workloads, reproducing issues locally and patching services with regression tests for 0 repeat defects.
- Wrote and reviewed **JUnit** unit tests alongside feature work, flagging missing coverage and edge cases across 2-week sprint code reviews.

Projects

QuickQuiz – AI-Powered Quiz Generator GitHub

- Built REST APIs and a scoring flow supporting concurrent use for 100+ users.
- Designed normalised **MySQL** schema with indexes that keep leaderboards and history pages snappy under 100+ concurrent users.

SmartPaper – Question Paper Generator *(Personal Project)*

- Built admin-only CRUD endpoints behind role-based access checks, validating 100% of payloads server-side to keep malformed MCQs out of the bank.
- Wrote the balanced-randomization algorithm with dedup-by-question-id and difficulty quotas, covered by unit tests for 100% reproducible regenerations.

Education

B.E. in Computer Engineering *Aug 2021 – Jun 2025*
Dr. D. Y. Patil Institute of Engineering, Management, and Research (DYPIEMR) *Pune, India* CGPA: 7.74/10

HSC (12th) *Jun 2019 – May 2021*
Shivaji Mahavidyalaya *Udgir, India* Score: 83.67% | MHT-CET: 93.27 percentile

SSC (10th) *Mar 2019*
Lal Bahadur Shastri Vidyalaya *Udgir, India* Score: 83.20%

Certifications

- Java *Jun 2025*
- Master Enterprise Catalog *Dec 2025*

Technical Skills

- **Key Skills:** Android, OSS, Scalability, Testing, Backend, Optimization, Performance Tuning, Production Engineering, Code Review, Security, Kotlin
- **Languages:** Java, JavaScript, SQL
- **Web:** HTML, CSS, JavaScript, JSP/Servlets
- **Frameworks:** REST APIs, Spring Boot, Spring Security, Spring Data JPA, Hibernate
- **Testing:** JUnit, TDD
- **Concepts:** Microservices, OOP, Design Patterns, Agile/Scrum, CI/CD, Distributed Systems
- **Databases:** MySQL
- **Tools:** OAuth, JWT, Docker, Git, SLF4J/Logback

- **Soft Skills:** Communication, Collaboration, Stakeholder Coordination, Problem-Solving
- **OS:** Linux/Unix, Windows

Achievements

- **600+ DSA problems solved** – 200+ on LeetCode, 400+ on GeeksforGeeks.
- Delivered **∼15% faster APIs** and **∼20% lower MySQL execution time** on telecom workloads at Amdocs.
- Shipped **QuickQuiz** (Gemini AI, 100+ concurrent users) and **SmartPaper** on Spring Boot + MySQL.

Languages

English (Professional), Hindi (Native)