Praphul Patil

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SUMMARY

Tech Lead with 7+ years of experience designing and delivering scalable, cloud-native enterprise applications across banking, airline, and automotive domains. Experienced in leading end-to-end product development from architecture and design to deployment and production support. Strong expertise in Java, Spring Boot, microservices, event-driven systems, cloud, and modern web technologies, with a proven track record of mentoring teams and improving system performance and reliability.

EXPERIENCE

Vyshnavi Information Technologies (VIT Infotech), Pune
Tech Lead
Mar 2025 – Present

Altimetrik India Pvt Ltd, Pune
Senior Software Engineer
Nov 2023 – Mar 2025

Vyshnavi Information Technologies (VIT Infotech), Pune
Software Engineer Trainee *to* **Tech Lead**
July 2018 – Oct 2023

TECHNICAL SKILLS

Programming Languages
Java

Backend & Frameworks
Spring Boot, Spring Data JPA, Spring Actuator, Spring Cloud Sleuth, gRPC, Mockito

Architecture & Messaging
Microservices, Event-Driven Architecture, Kafka, REST APIs, Redis Caching

Web & Frontend Technologies
Next.js, HTML, CSS, JavaScript, jQuery, Bootstrap, Tailwind CSS

Databases
PostgreSQL, MySQL, MongoDB, Couchbase, Redis

Cloud & DevOps
Docker, AWS (Route53, ACM/Certificates, SES), Nginx, Let's Encrypt, CI/CD pipelines

Tools & Monitoring
Git, Gradle, Postman, BloomRPC, SonarQube, Grafana, Kibana, Kiali, Jira

AI & Developer Productivity Tools
Claude, Cursor

IDEs
IntelliJ IDEA, VS Code, AWS Cloud9

PROJECTS

TITAN DMS – Service AI Chatbot - *(Tech Lead)*

AI-powered chatbot platform enabling customers to book, reschedule, cancel, and enquire for vehicle services. Built using **Spring Boot microservices, .NET backend**, **Next.js** + **Tailwind frontend**, **PostgreSQL**, and fully **Dockerized** for deployment across dealers

Key Contributions :

- Led a cross-functional engineering team to deliver the dealer Service Portal from Figma UI to production.
- Designed conversational flows and validation logic to reduce **AI** hallucinations and improve accuracy.
- Set up **infrastructure and CI/CD pipelines** enabling seamless dealer onboarding and environment provisioning.
- Built a **notification service** supporting SMS via **Kudocity** and Email via **AWS SES**.
- Drove requirement discussions with the Product Owner and translated them into technical solutions.

CITI Bank – KYC Renewal System - *(Senior Software Engineer)*

Modernization of legacy KYC renewal platform supporting customer data renewal, e-sign, document management, audit history, and multi-stage approvals. Built using **Spring Boot microservices**, **MySQL**, and **MongoDB**.

Key Contributions :

- Enhanced and optimized multi-stage review workflow from Relationship Manager to Account Owner.
- Implemented end-to-end audit trail**,** including history generation and high-speed retrieval.
- Worked closely with Account Onboarding team to analyze and resolve production issues.
- Contributed as an Agile individual contributor through story grooming, estimation, and code reviews.

Air Arabia (ISA) – Flight Ordering & Ticketing Service - *(Senior Software Engineer)*

A high-performance airline booking platform supporting end-to-end flight search, booking, ordering and ticketing. The platform is built using **Spring Boot microservices**, **gRPC** for high-speed interservice communication, and **event-driven architecture** using **Kafka**. **Couchbase and Redis** are used to achieve low-latency, large-scale, fault-tolerant data access.

Key Contributions :

- Led the architectural restructuring of the application to improve performance. Implemented the **Event-Driven Architecture** pattern, leveraged **Redis** Caches, and conducted optimization of **Couchbase** queries and indexes.
- Proactively worked on improving code quality by addressing **SonarQube** issues, ensuring adherence to coding best practices, and enhancing the overall reliability and maintainability of the system.
- Upgraded micro-services to utilize **Sleuth** log, enabling easier debugging and troubleshooting of issues during development and production stages.
- Implemented **Kafka-Actuator** health checks for event-based services, ensuring the availability and resilience of the event processing pipeline.
- Utilized **Kiali**, **Kibana**, and **Grafana** tools to debug and monitor the performance of the stage and production services, enabling efficient troubleshooting and optimization.

- Collaborated within an **Agile** framework as an individual contributor, actively participating in activities such as story grooming, reviewing stories, and engaging with the business team to ensure alignment with requirements and deliver high-quality solutions.

Market Rhythm - Domain Verification System - *(Solo Developer)*

The application is a domain database, configuration, and verification system that utilizes AWS APIs for the creation and importation of domain certificates, **Route53** records, as well as functionality to configure a PMTA server for a domain. The system is built on the CodeIgniter framework, which incorporates **PHP**, **MySQL**, **jQuery**, **Bootstrap**, and **HTML**.

Key Contributions :
- Utilized **AWS APIs** including **ACM**, **ELB**, and **Route53** for various tasks.
- Integrated **LetsEncrypt** APIs to facilitate **SSL certificate** issuance.
- Developed and managed multiple **Cron jobs** for automating tasks such as auto-renewing LetsEncrypt and AWS certificates, auto-mounting domain certificates to ELB, and generating reports on expiring and cleanup domains.
- Created a migration script to transfer domains from AWS to LetsEncrypt for SSL certificate management.

OTHER PROJECTS
- Redesigned Company's website using **NextJS** and **Tailwind**.
- Enhanced leading RPA company website using **HTML, Bootstrap, JavaScript.**
- Built **WooCommerce** payment plugin for a **WordPress** e-commerce client.
- Implemented **PDF certificate generation** for HRMS training module.
- Contributed UI fixes in **Laboratory Information Management System.**
- Improved UI and workflows in **Hearing Aid Clinic Management System.**

EDUCATION

MBA -
Strategy & Leadership - 7.25 CGPA (out of 8.00)
2024 - 2025

Bansal Engineering College, Bhopal -
B. Tech. (Computer Science) - 8.1 CGPA
2014 - 2018