

Dheeraj Reddy

Senior Java Developer

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Summary

Senior Backend Engineer with 8+ years of experience designing, developing, and deploying enterprise-scale applications. Skilled in Java, Spring Boot with deep expertise in micro services, distributed systems, and modern cloud-native development. Strong problem-solving and architectural skills with a proven track record of delivering scalable, maintainable, and high-performance solutions in collaborative environments.

Skills

Languages & Frameworks

Java, Spring Boot, Python, Django, Node.js, Express, Golang

Databases

Postgres, MongoDB, ScyllaDB, Redis

AWS Services

AWS, SQS, MSK, Kafka, SNS, Elasticache, ECS, S3, Cloudfront, Lambda

DevOps & Tools

Terraform, GitHub, Docker, Datadog, New Relic, Kubernetes, Airflow

Experience

Zaggle, Senior Java Developer Mar 2024 – Present | Hyderabad

QR Payment Service

Architected and directed a microservice enabling QR-based payments from the Zaggle mobile application.

- Designed scalable, vendor-agnostic architecture supporting multi-gateway integrations.
- Engineered real-time QR processing and analytics for transaction and fee insights.
- Directed full delivery lifecycle (HLD/LLD to production) for a 5-member team.

Travel Management

Led end-to-end development of the Flight Booking Module, covering flight search, booking, and integration with external travel vendors.

- Designed modular service architecture supporting multi-vendor APIs and real-time booking confirmation.
- Mentored a two-member team to build a generic PDF generation service for automated document creation within the travel management system.

Custom Spring Boot Starter

Created a reusable internal starter to standardize cross-service functionality.

- Integrated Micrometer and New Relic tracing, Kafka / Redis / SQS wrappers, and global exception handling.
- Unified API response formats and reduced service setup effort by ~70%.

Travel Advance Module

Developed an event-driven module for travel advances linked to trip requests, supporting multi-currency and ERP integration.

- Designed approval workflows, forex management, and city-level spending limits.
- Published structured events for ERP downstream systems enabling automated reconciliation

Byjus, Senior Member of Technical Staff Dec 2019 – Feb 2024 | Hyderabad

Quiz Platform

Architected and delivered a plug-and-play quiz service used across multiple Byju's apps, with a React frontend and tenant-level CRM for content management.

- Owned full architecture (HLD/LLD), database schema, and API design.
- Built reusable React components and scalable backend services enabling adoption across product lines.
- Directed code reviews and cross-team integrations ensuring reliability and consistency.

Assessed Platform

Modernized the legacy Assessed system to improve scalability and cost efficiency.

- Achieved approximately 60% AWS cost reduction (~\$15K/month) through infrastructure tuning and Datadog and Slack monitoring.
- Migrated MongoDB to Atlas and directed migration of Assessed into the new Quiz Service, guiding a four-member team.
- Performed k6 load testing and benchmarking to validate performance at scale.

Toppr CRM & Payments

Enhanced the internal CRM and payments platform supporting the entire sales funnel.

- Integrated payment gateways (Razorpay, Ingenico eNACH) and automated weekly sales-hierarchy mapping.
- Linked LeadSquared LMS with CRM to streamline lead-to-sales workflows.

Boost eWallet, Junior Developer

Dec 2017 – Dec 2019 | Hyderabad

Transport Microservice

Developed a backend service handling all transport-related ticket bookings for the Boost app.

- Architected and executed the complete solution (design, development, testing).
- Enabled QR-based ticketing for KLIA Express, automating booking and validation workflows.

Content Management System

Built a scalable CMS to manage merchant onboarding, in-app content, targeted promotions, and notifications.

- Engineered secure authentication and authorization using JWT with dynamic secret keys and OTP verification.
- Delivered user and role management modules ensuring fine-grained access control.

Tech Mahindra, Associate Software Engineer

Nov 2016 – Jun 2017 | Pune

Worked as a Siebel Product Configurator, developing eScript components and workflows to automate CRM processes and improve integration efficiency.

Education

Vidya Jyothi Institute of Technology,

2012 – 2016 | Hyderabad

Computer Science and Engineering

Personal Projects

End-to-End Deployment Pipeline

Sep 2025 – Oct 2025

Designed and implemented a fully automated CI/CD pipeline to deploy containerized microservices on **AWS ECS** using **GitHub Actions** and **Terraform** for infrastructure provisioning.

- Built reusable Terraform modules to manage ECS clusters, task definitions, and network components.
- Integrated build, test, and deployment workflows with environment-based tagging and automated rollbacks.
- Focused on **scalability, cost optimization, and zero downtime deployments**, enabling production-grade reliability for multiple services.