

Yuvaraj Peddi

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WORK EXPERIENCE

Loyalty Juggernaut

Sept 2025 – Present

Lead Product Engineer

Hyderabad

- Led a **team of 12 engineers**, planning sprints, reviewing designs for new features, and mentoring junior developers to improve delivery quality.
- Drove **production-wide logging optimizations** by analyzing usage patterns and introducing environment-specific controls, reducing **AWS logging costs by 65%** while maintaining observability.
- Designed and developed RESTful services using **Java and Spring Boot**, implementing layered architecture (Controller–Service–Repository) with clear separation of concerns and production-grade exception handling.
- Integrated **Spring Security and OAuth 2.0** for system-to-system authentication, implementing token validation, role-based access control, and secure API communication.
- Designed and implemented **multilingual support** across the GRAVITY® platform by auto-generating and storing metadata for **hundreds of languages**, enabling localization at scale.
- Led the architecture and rollout of a centralized **Features service** used across application for features configuration, built for **idempotency and high availability**, and delivered as a reusable package. Recorded **zero feature-related incidents** after adoption.

Loyalty Juggernaut

Jan 2024 – Sept 2025

Senior Product Engineer

Hyderabad

- Led a **team of three engineers**, focused on client support, proof-of-concept initiatives, and performance optimizations.
- Crafted and migrated **critical Django APIs** to a new **Flask microservice** architecture branded as Next-Generation APIs, integrating DataDog, Sentry, and Snyk. Shifted **70% of traffic** to Flask, improving response times by **10x to 50x** and reducing AWS costs.
- Deployed **dual-layer caching, response compression, and dynamic response controls**, achieving a **50x improvement in average latency** (from 1s to 20ms) and a **12x improvement in p99.9 latency**.
- Migrated **600+ APIs** from **API Blueprint to OpenAPI**, adding "Try it out," AI-powered search, YAML/JSON export, and dark/light mode to improve developer experience.
- Analyzed recurring API issues, worked on **mitigation strategies**, and authored **technical guides and runbooks**, reducing manual intervention and enhancing stability.

Loyalty Juggernaut

May 2022 – Jan 2024

Product Engineer

Hyderabad

- Improved high-traffic Django APIs by eliminating **N+1 queries**, introducing caching, and applying **GraphQL-style query parameters**, cutting latency from **2s to 500ms**.
- Developed a **UI-based API key management system** with **AWS API Gateway**, automating key lifecycle and reducing incidents by **90%** with IP and token restrictions.
- Led **FinanceConnect** by integrating **sponsor billing, payments, and invoicing** with third-party financial systems; engineered **Celery jobs** to automate payment retrieval and invoice sync, ensuring **99% accuracy**.
- Constructed a **multi-layer throttling mechanism** for payload, IP, and token rate limiting with an admin UI for real-time adjustments.
- Architected an **AWS Lambda-based EXIF removal service** to strip image metadata in **S3**, handling thousands of uploads daily at zero extra infra cost.

Loyalty Juggernaut

Dec 2021 – May 2022

Product Engineer Intern

Remote

- Created an API to aggregate version data across five microservices using **AWS S3 and DynamoDB**, adding caching that reduced response time from 8s to 200ms.
- Drove security remediation by integrating **Sentry and Snyk**, fixing **250+ vulnerabilities** and eliminating all critical issues.
- Developed Django REST APIs for the GRAVITY® platform **audit system** to track detailed entity-level changes.

TECHNICAL SKILLS

Languages: Python, SQL, Java, C

Frameworks: Django, Flask, FastAPI, Spring Boot

Developer Tools: Git, Docker, CircleCI, DataDog, Sentry, Snyk, Postman, Jmeter, TablePlus, SQL Workbench

Cloud: AWS - ECS, RDS, Redshift, Redis, DynamoDB, S3, CloudWatch, API Gateway, Lambda

PROJECTS

VibeNear | *Spring Boot, PostgreSQL, AWS*

- **Link:** Google Play Store
- Engineered a location-based discovery application with dedicated consumer and outlet flows to support posting, events, and media.
- Added ML-driven recommendations that adapt to user context to improve local discovery.
- Collaborated with Flutter, ML, and UX partners to iterate quickly from design to release.

TheWallTour | *v0.dev (frontend)*

- **Link:** thewalltour.in
- Structured a curated wallpaper storefront with guided browsing across collections, styles, and room use-cases.
- Delivered shopping flows and content structure to shorten the path from discovery to purchase.

EDUCATION

Malla Reddy College of Engineering and Technology

2018 – 2022

B.Tech in Computer Science

Hyderabad

- **CGPA:** 9.13

SR Junior College

2016 – 2018

Maths, Physics and Chemistry

Hyderabad

- **Percentage:** 96%