Harsh Taru

Software Design Engineer

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⎰ CodefindsHarsh 🔗 Portfolio

Professional Summary

Software Developer skilled in building scalable systems using Java, Python, and Node.js. Experienced with distributed architectures, event-driven design, and cloud platforms (GCP, AWS). Strong in API design, debugging, and testing.

Experience

Software Design Engineer Intern, *OnlineSales.ai*   01/2025 – Present │ Pune, India

- Built and deployed scalable Java microservices for authentication and role-based access, now used by 100+ agency users.
- Built a Python-based changelog consumer to process Kafka & Debezium events using Jinja; pushed structured logs to BigQuery, improving observability and reducing manual debugging by 60%.
- Migrated production data from self-managed MongoDB to MongoDB Atlas and built SQL-to-BigQuery ETL pipelines for analytics.
- Authored 10+ complex SQL reports (1K+ LOC each) and built a custom task handler framework to automate campaign suggestions and actions.

Freelance App Developer, *Shresag Studios*   06/2024 – 08/2024 │ Pune, India

- Developed 2 high-performance mobile apps using Flutter and Firebase, optimized UI/UX and state flows.
- Integrated back-end APIs and designed responsive UI with user-friendly flows, serving 10K+ users.

Education

BTech in Information Technology,   01/2022 – 05/2025 │ Pune, India
Vishwakarma Institute of Information Technology

- CGPA: 9.46/10
- Coursework: Data Structures, Algorithms, Machine Learning, Web Development, Database Systems

Skills

Python │ JavaScript │ Java │ Node.js │ Express.js │ React.js │ Flask │ Spring Boot │ Redis │ BullMQ │ MongoDB (MongoDB Atlas) │ PostgreSQL │ MySQL │ Firebase │ AWS │ GCP │ Docker │ Kubernetes │ Git │ GitHub │ SVN │ Kafka

Projects

JTrimURL - URL Shortener Platform 🔗

- Built a production-ready URL shortening service with full user authentication, analytics, QR code generation and a modern dashboard.
- Designed and developed backend using Java Spring boot and MongoDB Atlas, with secure APIs supporting custom URL aliases and expiration.
- Implemented Docker-based containerization and followed modular architecture for easy scaling and CI/CD integration.

Pawsitive Connect App 🔗

- Developed a full-stack pet adoption platform enabling users to post, search, and adopt pets with intelligent recommendations based on breed, age, and location.
- Integrated a deep learning model (VGG16) to perform image-based pet classification, improving match accuracy by 35%.

Certifications

AWS Certified Cloud Practitioner, IBM Full Stack Software Developer Certification

HackerRank Problem Solving (Advanced), Python and SQL Certification

Featured Presenter at the University's Annual Tech Showcase for AI Projects