Harsh Taru

Software Engineer

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Professional Summary

Software Engineer with strong backend and data engineering experience, proficient in building scalable microservices and end-to-end ETL pipelines using Java, Python, SQL, and cloud platforms (GCP, AWS). Hands-on with RDBMS, BigQuery, Kafka, and real-time data ingestion. Skilled in translating business logic into technical solutions using Spring Boot, REST APIs, and data transformation workflows. Passionate about solving complex data problems with clean, maintainable code.

Experience

Software Design Engineer Intern, *OnlineSales.ai*   Jan 2025 – Jul 2025 | Pune, India
- Designed and deployed **Java-based microservices** for role-based authentication and user access — powering production access for 100+ agencies.
- Developed and maintained **secure REST APIs** using **Spring Boot**, JWT, and role-based permissions.
- Built a **Kafka + Python-based changelog consumer**, transforming Debezium logs using Jinja templates and pushing to BigQuery for observability.
- Migrated production data to **MongoDB Atlas**, and developed ETL pipelines from **SQL to BigQuery** for analytics.
- Created 10+ complex **SQL reports** (1K+ LOC each) and an automated task handler for campaign optimization.

Freelance App Developer, *Shresag Studios*   Jun 2024 – Aug 2024 | Pune, India
- Built 2 mobile apps using Flutter & Firebase; integrated RESTful backends and deployed responsive UI flows.
- Handled backend integration, state management, and end-to-end app delivery to over 10K+ users.

Education

BTech in Information Technology,   Jan 2022 – May 2025 | Pune, India
Vishwakarma Institute of Information Technology
- CGPA: 9.46/10
- Coursework: Data Structures, Algorithms, Machine Learning, Web Development, Database Systems

Skills

Java | Python | JavaScript | React.js | Flutter | Spring Boot | Node.js | Express.js | Flask | JPA/Hibernate | SQL (PostgreSQL, MySQL) | NoSQL (MongoDB, Redis) | BigQuery | Kafka | Debezium | Docker | Kubernetes | GCP | AWS (EC2, S3, IAM) | Git & GitHub | CI/CD | JUnit | Multithreading | REST APIs | Microservices | ETL Pipelines | BullMQ | HTML/CSS | JWT | OAuth2 | Swagger | Postman | Linux | Bash | Shell Scripting | Agile

Projects

JTrimURL - URL Shortener Platform 🔗
- Designed and implemented REST APIs using **Java, Spring Boot** and admin dashboard using **React.js** supporting features like custom URL aliases, link expiration, and click analytics.
- Integrated JWT-based authentication and Docker-based deployment for modular scaling.
- Hosted the service with a CI/CD pipeline, optimized for low-latency redirection.

CURE AI – AI Medicine Kiosk 🔗
- Built a healthcare ML system trained on 1.6M+ symptom-diagnosis-medication records to recommend personalized treatments based on predicted diagnoses.
- Developed classification models to map symptoms to diagnoses; integrated medication suggestion engine using Python and Pandas workflows.
- Designed the solution architecture for deployment in medicine kiosks to enable accessible, first-level clinical support in rural areas.

Certifications & Achievements

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