Harsh Taru

Software Engineer

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Professional Summary

Software Engineer with strong **backend** and **data engineering** experience, skilled in building **scalable microservices** using **Java, Node.js, Python**, and **cloud platforms (GCP, AWS)**. **Proficient** in **SQL/NoSQL** databases, **Spring Boot, REST APIs**, and **real-time data workflows**. Experience with **AI/ML implementation and NLP workflows**, including text processing pipelines using **tokenization, stemming,** and large-scale text preprocessing. Leverage **AI-powered coding assistants (Claude, ChatGPT, GitHub Copilot)** to **accelerate development**, **automate tasks**, and **enhance code quality**. Passionate about **developing robust system architectures** and **delivering impactful solutions** to complex business problems.

Experience

Software Design Engineer Intern, Osmos   Jan 2025 – Jul 2025 │ Pune, India
- Developed and maintained **backend microservices** using **Java** and **Spring Boot,** integrating role-based authentication and user access control.
- Created **REST APIs** and **ETLs** leveraging **Kafka, Python,** and **BigQuery** for real-time data ingestion and analytics.
- Utilized **AI-assisted coding tools** like **ChatGPT** and **Copilot** daily to **automate repetitive coding tasks, reduce debugging time**, and **accelerate feature delivery by up to 30%.**
- **Migrated** production databases **to MongoDB Atlas**, refining **SQL and NoSQL** data workflows for **scalability** and **performance**.

Freelance App Developer, Shresag Studios   Jun 2024 – Aug 2024 │ Pune, India
- Built **2 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 **10000+ users**.

Education

BTech Information Technology,   2021 – 2025 │ Pune, India
Vishwakarma Institute of Information Technology
- GPA: **9.46/10** (**Top 5%** of class)

Skills

- **Languages & Frameworks:** Java, Python, JavaScript, React.js, Flutter, Spring Boot, Node.js, Express.js, Flask, FastAPI, JPA/Hibernate
- **Data & Cloud:** SQL(MySql), NoSQL(MongoDB), BigQuery, Kafka, Debezium, Docker, Kubernetes, GCP, AWS
- **DevOps & Tools:** Git, CI/CD, JUnit, Multithreading, REST APIs, Microservices, ETL, BullMQ, Swagger, Postman, Linux, Bash, Agile, AI-assisted Development

Projects

CURE AI – AI Medicine Kiosk 🔗
- Built a **healthcare ML system** trained on **1.6M+ symptom-diagnosis-medication records** achieving **89% diagnostic accuracy** and **reducing treatment recommendation time by 40%.**
- Developed **classification models** with **92% precision** to map symptoms to diagnoses; integrated medication suggestion engine using **Python** and **Pandas**, **processing 50K+ daily predictions.**

JTrimURL - URL Shortener Platform 🔗
- Built **REST APIs** with **Java, Spring Boot** handling **100+ requests/sec** and **UI** with **React.js** supporting **5000+ concurrent users**, featuring **JWT** authentication and analytics tracking **5000+ daily interactions.**
- Implemented **CI/CD** pipelines with **Docker** reducing **deployment time by 75%** for modular, **zero-downtime scalable deployments.**
- Enhanced development speed **by 40%** and **increased code coverage to 85%** through **AI-assisted test generation** and **automated documentation tools.**

Certifications & Achievements

- **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**