Tejas Arora

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Summary — FullStack Software Developer with an interest in geospatial technologies, eager to apply technical skills to spatial data solutions.

Skills

Languages	Java, Oracle PL/SQL, JavaScript, Bash Scripting, Python
Backend	Helidon, Spring Boot, Node.js, Oracle ADF
Frontend	Next.js, React, Oracle ADF
DevOps	Docker, Kubernetes, Jenkins

Experience

Oracle   **Jan 2023 – Present**
Hospitality Global Industry Unit

Associate Software Developer   *Aug 2023 - Present*
- Developed and maintained multiple microservices for a cloud-native platform using Helidon, Spring Boot, PL/SQL, Kubernetes, and Docker.
- Enhanced & migrated monitoring for asynchronous processing from existing PL/SQL modules to cloud-native microservice, reducing lines of code by 90%.
- Re-engineered a microservice to shift from synchronous inbound and outbound flows to fully asynchronous processing, employing parallel threading, caching, and database staging for enhanced throughput and reliability.
- Developed custom adapters for specific customer requirements, enhancing system flexibility and client satisfaction.
- Provided support and maintenance for a 20-year-old legacy PL/SQL system while facilitating modern integrations.
- Collaborated with various development, QA teams, and clients to prioritize and resolve UAT and production bugs.
- Awarded the Rising Star Award in 2023.

Project Intern   *Jan 2023 - Aug 2023*
- Created a PoC to explore Kafka integration with current cloud-native microservice projects.
- Assisted QA Team with manual testing.

CEPT Research & Development Foundation   **Jun 2022 - Jul 2022**
Center for Urban Planning and Policy

Summer Intern
- Contributed to the formulation of Town Planning Schemes for Guwahati and Jaipur.
- Prepared cadastral maps (Khasra and Khatas) and non-motorised transport maps; performed data collection and analysis using Excel and QGIS.

Projects

Interactive Curated Walk Mapping Webpage   **October 2024**
Project Link
- Created an interactive web map with Next.js and Mapbox GL JS, allowing users to explore curated walks along with in-depth narratives.
- Collected geospatial data via the GPSLogger mobile app and processed it in QGIS, storing the final data in Google Sheets for seamless integration.
- Deployed on GitHub Pages with automated workflows managed through GitHub Actions.

Classifying areas based on proximity to Emergency Services   **January 2022**
- Developed a Python tool to classify and highlight safe areas based on access time to police stations, fire stations, and hospitals using OpenStreetMap data.
- Utilized travel time analysis to assess proximity and enhance the classification of safe zones.

Education

Manipal Institute of Technology   **Aug 2019 - Jul 2023**
Manipal, Karnataka

B.Tech in Communication and Computer Engineering
Minor Specialization in Computational Mathematics

Relevant Certifications
Python Foundation for Spatial Analysis (By Spatial Thoughts)