OMKAR NARE

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PROFESSIONAL SUMMARY

– Skilled Java Developer with **2.9 years of experience** in building high-performance, scalable applications in a **product-based environment**. Proficient in **Java**, the **Spring Framework**, and **Google Cloud Platform (GCP)**, with hands-on experience in **cloud-native development** and **containerized applications**.

– Proven ability to write **clean, efficient, and maintainable code** while working in **Agile teams** to deliver robust and user-focused software solutions. Adept at solving complex problems and optimizing system performance to enhance the user experience.

– Experienced with a broad range of **GCP services**, including:
  * **Cloud Run**, **App Engine**, **BigQuery**, **Compute Instances**, **Cloud Functions**

– Proficient in using **Docker** for containerization and deployment workflows. Certified **Google Associate Cloud Engineer**, demonstrating a strong foundation in cloud architecture and best practices.

WORK EXPERIENCE

Software Engineer   **Sept 2022 – Present**
Dista Technology Pvt Ltd   *Pune, India*

– Designed and implemented a scalable **Scheduling Module** to assign resources (riders, assets, vehicles) to jobs using over 60+ parameters, including availability, skill sets, travel time, speed, time slots, job duration, and distance. Utilized the Traveling Salesman Problem (TSP) algorithm for optimal assignment.
– Developed the module with **loosely coupled and extensible components**, enabling independent execution and easy maintainability.
– Implemented key design patterns to ensure a **modular, scalable architecture** capable of handling 15K+ assets and 100K+ jobs concurrently.
– Integrated multiple mapping providers (e.g., Google Maps, OSM Maps) for accurate **distance and duration calculations**; reduced mapping costs by **60%**.
– Built a **Sequencing Algorithm** for rider visit order optimization.
– Created a **Batch Scheduling Simulation Tool** to test and optimize dynamic parameters.
– Developed and optimized **30+ REST APIs** using Spring Boot; improved performance by **reducing API response time by 60%**.
– Contributed to **Java 8 to Java 17 migration**, modernizing architecture and boosting performance.
– Led migration of **15+ clients** to the Java 17 Spring Boot framework with zero downtime.
– Integrated **multiple SMS gateways** and implemented custom encryption/decryption as per client needs.
– Developed **maker-checker functionality** at the framework level to enhance security and validation.

TECHNICAL SKILLS

- Java, Spring Boot, REST APIs, Design Patterns, Unit Testing
- Cloud Computing: GCP (Cloud Run, App Engine, BigQuery, Cloud Functions, Compute Instances, Firestore, Datastore)
- Cloud Architecture, Docker, Linux, GitHub

EDUCATION

Savitribai Phule Pune University   **Pune, Maharashtra, India**
Master's in Computer Science   *Apr 2024*

Savitribai Phule Pune University   **Pune, Maharashtra, India**
Bachelor's in Computer Science   *Apr 2022*

Maharashtra State Board   **Pune, Maharashtra, India**
HSC (12th Grade)   *Apr 2019*

CERTIFICATIONS

Google Cloud Associate Cloud Engineer (Credential Link)
Issued: May 17, 2025   *Expires: May 17, 2028*

Google Cloud Digital Leader (Credential Link)
Issued: February 27, 2025   *Expires: February 27, 2028*