

Saurabh Sanjay Mete

BACKEND SOFTWARE ENGINEER

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SUMMARY

Backend Software Engineer with 5+ years of experience designing and building backend services using Java, Spring Boot, Kotlin, and Python. Experienced in REST API development, data modelling, high-throughput systems, and cloud deployments using AWS, PostgreSQL, and Redis. Strong system design skills with end-to-end ownership from backend services to client-facing systems.

EXPERIENCE

MotionMiners GmbH – Software Developer | Dortmund, Germany

Mar 2022 - Present

- **Project: Airgo XP Ergonomics Application**

- Co-led development of a **production system** for **real-time ergonomic analysis**, processing **high-frequency sensor data streams (500Hz)** and delivering reliable posture classification in logistics environments.
- Designed and deployed a **custom ML inference pipeline** integrated into a **production application**, achieving **80%+ accuracy** with aggressive **model size and performance optimizations**.
- Built **scalable data-processing flows** using **Kotlin reactive streams**, and **asynchronous processing** to handle **write-heavy workloads (~1 transaction per 1.5 seconds)** on **resource-constrained devices**.
- Implemented **backend-facing data pipelines** and **processing logic** to support **real-time inference** and **downstream analytics workflows**.
- Collaborated closely with **product, UX, and stakeholders**; validated system behavior through **600+ hours of user testing** and **iterative feedback loops**.

- **Project: Companion**

- Built **scalable components** to process signals from **600+ BLE beacons concurrently**, used by **enterprise clients** such as Dachser, Škoda, Hermes, and DB Schenker.
- Improved **system reliability** through **automated testing (90%+ coverage)**, **code reviews**, and **clean architecture practices**.

Tata Consultancy Services – Full Stack Developer | Mumbai, India

Jun 2019 - Apr 2021

- **Project: Employee Transport Management System**

- Developed and maintained **backend services** using **Spring Boot, Hibernate, PostgreSQL, and Redis**, supporting a transport management platform used by **150k+ users** and **7k+ drivers** across India.
- Designed **REST APIs** and **data models** to support **high-volume operational workflows**, ensuring **reliability and performance at scale**.
- Contributed to frontend and mobile features using Java, Flutter, AngularJS, and JavaScript to deliver **end-to-end functionality**.
- Automated **regression testing pipelines** using **Katalon Studio**, improving **release stability** and reducing manual QA effort.
- Acted as Scrum Master and **primary technical point of contact**, driving sprint planning, **stakeholder communication**, and delivery execution.

EDUCATION

Technical University Dortmund | Dortmund, Germany

M.Sc. Data Science, 2.8/5

Internship & Thesis: Real-Time Human Activity Recognition (Machine Learning, Data Processing)

University of Mumbai | Mumbai, India

B.E. in Computer Engineering, 7.25/10

TECHNICAL SKILLS

- **Languages:** Java, Kotlin, Python, SQL
- **Backend & Frameworks:** Spring Boot, Spring MVC, REST APIs, FastAPI, Hibernate
- **Databases & Caching:** PostgreSQL, Redis, MongoDB
- **Cloud & DevOps:** AWS, Jenkins, Git
- **Testing:** JUnit, Mockito, Katalon
- **Additional:** Android, Jetpack Compose, BLE, Flutter