

# TEJAS BORKAR

+91-9819088413 tvborkar1234@gmail.com LinkedIn: tejas-borkar-03297b119 Github: tejasvb <https://tejasvb.github.io/>

## EXPERIENCE

### HERE Technologies

Mumbai, India

*Senior Software Engineer* —

March 2025 - Present

- Designed and deployed multiple **Spring Boot microservices on AWS ECS** to orchestrate and execute **EMR Spark** jobs for large-scale batch data processing in a stateless, containerised environment, reducing manual effort.
- Collaborated with cross-functional teams to build a **serverless data pipeline** using **AWS SQS, Lambda, and SNS**, enabling asynchronous downstream API processing and real-time logging.
- Implemented custom data quality algorithms to detect **duplicates, abbreviations, and geographic naming patterns**, improving specific datasets' quality by approximately **60%**.
- Documented** and **updated** technical documentation for multiple projects; **conducted** knowledge transfer (**KT**) sessions, **delivered** demos, and **mentored** interns to ensure smooth onboarding and project continuity.

### Software Developer II

June 2023 - Feb 2025

- Optimised a Spark-based pipeline on **AWS EMR** that processes multiple large-scale graphs, improving processing efficiency and reducing compute cost.
- Re-architected the workflow to write intermediate outputs from each processing stage to **S3** instead of **Elasticsearch**, enabling scalable, cost-effective storage and improving downstream data handling.
- Designed and implemented a **Python-based testing framework** that automated the validation of algorithm outputs across microservices by pulling batch data from S3 in response to SQS triggers; compared results against expected outputs and sent detailed test reports via email, reducing manual QA effort and improving system reliability by 20
- Maintained and enhanced **Spring Boot microservices**, improving system performance and proactively resolving production escalations.
- Developed a **React app** with “**useContext**” for global state management and real-time UI updates; cached responses to reduce network calls by **40%**
- Collaborated on **Spring Boot REST APIs** to integrate backend services with a React-based frontend, enabling real-time user input processing and improved system responsiveness.

## PROJECTS

### Breaking News | Spring Boot, Flutter, Redis

May 2022 and June 2025

- Developed and exposed **Restful APIs using Spring Boot** to enable seamless integration with a **Flutter mobile frontend**.
- Integrated **Redis caching** for high-demand content (e.g., top news headlines), reducing API latency and **improving performance while lowering compute costs**.
- Implemented AI-powered features by connecting the backend to Ollama with Gemini, enabling backend-driven natural language processing, summarization and **answering user questions** about articles, enhancing user engagement

### SOS Notification | Android Kotlin, Firebase

May 2023

- Created a location-sharing emergency app enabling users to notify nearby helpers, including police, in emergencies.
- Implemented real-time alerts to share live client location with nearest responders for rapid assistance.
- Integrated Google Maps API for real-time location sharing to assist responders with efficient navigation.

## TECHNICAL SKILLS

**Languages:** Java, Python , Kotlin

**Backend :** Spring Boot, REST APIs, Microservices, Apache Spark

**Cloud, Data Services Tools:** AWS(S3, EC2, ECS, EMR, Lambda, Athena), ElasticSearch, Git

**Frontend (Secondary):** React, Flutter, Android Development

## EDUCATION

### University Of Mumbai

2019 – 2023

*Bachelor of Engineering, Computer Engineering ; CGPA -9.76/10*

Mumbai, India

## LEADERSHIP EXPERIENCE

- \* Led the **Android Team at GDSC**, conducted sessions and organised the Android Study Jam Competition.
- \* Led a volunteer team for **teaching underprivileged** students and addressing queries from both the team and students.