

LOVE JAYESH AHIR

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SUMMARY

Software Engineer with 3+ years of experience building backend services, full stack applications, and distributed data pipelines for enterprise SaaS and data platform products. Expertise in Python, Java, FastAPI, Spring Boot, React, PostgreSQL, and Apache Spark, with a track record of shipping REST APIs, multi-tenant services, and Spark pipelines processing 10M+ records per run. Recent work includes production LLM and agentic AI workflows instrumented with MLflow Tracing.

TECHNICAL SKILLS

- **Languages:** Java, Python, TypeScript, JavaScript, SQL
- **Backend & APIs:** Spring Boot, Hibernate, FastAPI, Node.js, REST APIs, Microservices, WebSockets, OAuth 2.0, JWT
- **Databases:** PostgreSQL, MySQL, Redis, Query Optimization, Schema Design
- **Frontend:** React, Angular, Redux Toolkit, D3.js
- **Cloud & DevOps:** AWS, GCP, Docker, Kubernetes, GitHub Actions, Jenkins, Bazel, Git, CI/CD
- **Testing & Observability:** pytest, JUnit, Jest, Integration Testing, OpenTelemetry, Datadog, SonarQube, Structured Logging
- **Distributed Systems:** Kafka, Event-Driven Architecture, Transactional Outbox, Idempotency
- **AI & GenAI:** Databricks Agent Framework, LLM Applications, Agentic AI, Tool Calling, MLflow Tracing

EXPERIENCE

Databricks

Software Engineer, AI Platform

Aug 2025 - Present

- Integrated a governed agentic AI workflow using Databricks Agent Framework, tool calling, and MLflow Tracing, automating 4 recurring engineering tasks per sprint after evaluating 1,000+ agent traces.
- Developed Python backend services and Java SDK integrations for workspace, job, and metadata operations, adding caching, validation, and fault handling that reduced failed service calls by 18%.
- Built PySpark and SQL pipelines on Apache Spark and Delta Lake to process 10M+ records per run, using incremental loads and Unity Catalog governance to reduce runtime from 2.5 hrs to 40 mins.
- Engineered full-stack platform features using Python, FastAPI, React, and TypeScript, building REST APIs, asynchronous workflows, and reusable UI components across 10+ developer and data workflows.
- Productionized services using pytest, integration testing, Git, Bazel, and automated CI/CD pipelines, maintaining 150+ automated checks across development, staging, and production releases.
- Partnered with frontend, platform, data, and SRE engineers to design APIs, resolve distributed system failures, and deliver 8+ production workflows with stronger observability and release readiness.

Neon IT Systems

Software Engineer II

May 2022 - Jul 2023

- Architected multi-tenant SaaS modules using Java, Spring Boot, Python, and React, delivering 20+ REST APIs for tenant configuration, access control, notifications, and customer-facing administration.
- Optimized PostgreSQL using query tuning, indexing, and connection pooling, reducing p95 latency from 2.1 seconds to 480 ms across services handling 250K+ records and ML prediction data.
- Decoupled long-running operations from customer-facing services by building Python background jobs for scheduled processing and bulk data loads, reducing API timeout errors by 24%.
- Hardened production releases with JUnit, pytest, Docker, Git, Jenkins, and AWS deployment workflows, resolving API and database defects while supporting 12 application releases across SaaS environments.
- Mentored 3 junior engineers through code reviews, debugging sessions, API design guidance, and testing practices, while coordinating technical tasks and enforcing reusable backend and database development standards.

Associate Software Engineer

Feb 2021 - Apr 2022

- Developed enterprise SaaS workflow features using React.js, Java, Spring Boot, and PostgreSQL, building responsive interfaces and 15+ REST APIs for user, approval, reporting, and administrative workflows, reducing manual processing and improving user efficiency.
- Automated data validation, scheduled reporting, and file processing with Python scripts handling 100K+ business records, saving the support team 7 hours per week.
- Collaborated with senior engineers, QA, and product teams to write JUnit and pytest integration tests and resolve 18+ production defects across sprint releases.

EDUCATION

Rochester Institute of Technology (RIT)

Master of Science, Computer Software Engineering

Aug 2023 - Dec 2025

Rochester, NY, USA

- **GPA:** 3.94/4.0

Gujarat Technological University

BE, Electronics and Communication

Aug 2019 - May 2023

Ahmedabad, Gujarat, India

- **GPA:** 3.89/4.0

PUBLICATION

Do Privacy Policies Match with the Logs? An Empirical Study of Privacy Disclosure in Android Application Logs . [EASE 2026](#)

- Conducted a large-scale privacy study across 1,000 Android applications and 86.8M+ runtime log entries, comparing privacy-policy disclosures with observed logging behavior across 42 app categories.
- Developed a privacy-leakage analysis workflow using Python, regular expressions, Brain log parsing, and GPT-5-assisted keyword expansion, with manual validation to identify sensitive data exposed in application logs.
- Applied text mining, Chi-square tests, Welch's t-tests, and policy-to-log alignment analysis, identifying 603 applications with undisclosed sensitive data and only 4 apps with fully aligned privacy disclosures.