

# Saurabh Kalelkar

[saurabh@techsmail.com](mailto:saurabh@techsmail.com) | 5513445181 | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | Jersey City, NJ

## SUMMARY

- 5+ years of experience delivering end-to-end software systems using Java (Spring Boot), Python (Flask), and JavaScript frameworks across finance, insurance, and IT automation domains.
- Built modular microservices using Java (JDK 8–17), Spring Boot, Hibernate, and PostgreSQL to support core business workflows including invoice reconciliation, claims management, and anomaly detection.
- Developed frontend applications using React.js, Redux, and Material UI integrated with REST APIs, improving user task handling and reducing manual processing steps.
- Designed and released Python-based ML services with scikit-learn and Flask for ticket classification and fraud flagging, applying NLP methods and automated retraining pipelines.
- Automated CI/CD pipelines with Jenkins, GitHub Actions, and GitLab, integrating Docker containers, test suites (JUnit, Mockito, Pytest), and production checks via SonarQube and CloudWatch.
- Delivered SOX-compliant, audit-ready code through Agile development with product, QA, and ML teams, shipping features aligned to accounting, claims, and ITSM platform requirements.
- Proven collaborator in **Agile environments**, working cross-functionally with PMs, QA, ML Engineers, DevOps, and domain SMEs to deliver SOX-compliant, audit-ready, and customer-centric features aligned with product roadmaps and frameworks.

## EXPERIENCE

### Intuit | Full Stack Java Developer

Jan 2024 - Current

- Engineered and pushed scalable **Spring Boot microservices** to automate invoice-to-payment reconciliation workflows, reducing manual accounting effort by **40%** and improving month-end close timelines.
- Built interactive, responsive UIs in **React.js** integrated with REST APIs to allow finance teams to track mismatches, review ledger entries, and export reports, improving user task efficiency by **30%**.
- Partnered with the **AI/ML team** to integrate anomaly detection models (via AWS Lambda) for flagging suspicious transactions, enhancing fraud monitoring accuracy across 250K+ monthly invoices.
- Migrated legacy reconciliation engine to **serverless architecture** using **AWS Lambda** and **DynamoDB**, reducing infrastructure costs by **25%** while increasing scalability during peak periods.
- Optimized complex SQL and JPA/Hibernate queries on **PostgreSQL**, improving data retrieval time for high-volume ledger datasets by **35%**, boosting reporting performance.
- Set up robust **CI/CD pipelines** using Jenkins and GitHub Actions to automate builds, run JUnit/Mockito test suites, and ensure production-grade code delivery with <2% regression rate.
- Collaborated across Agile pods with **PMs, tax teams, and data engineers** to ship audit-ready, SOX-compliant features, aligning business logic with Intuit's accounting product roadmap.
- Instrumented end-to-end logging and error-tracking using ELK stack (Elasticsearch, Logstash, Kibana) and integrated alerting via PagerDuty, enabling real-time issue resolution and reducing reconciliation downtime by 45% during audits.

### Sage Softtech | Full Stack Developer

May 2018 - Jul 2022

- Designed and executed modular microservices using Java Spring Boot to digitize insurance claim intake, provider validation, and multi-level approval workflows, reducing claim processing time by 35%.
- Constructed responsive and reusable front-end components with React.js and Redux to enable real-time claim tracking, auto-fill forms, and notification alerts boosting user satisfaction scores by 40%.
- Developed custom React-based UI libraries shared across HMO and PPO product lines, reducing front-end development effort by 20% across agile sprint cycles.
- Integrated backend microservices with external EDI systems (ANSI X12) and HIPAA-compliant data pipelines to securely exchange member and provider data with hospitals and TPAs.
- Implemented Kafka-based event-driven architecture for asynchronous claim lifecycle stages—submission, eligibility check, review, adjudication, and payout—scaling throughput by 60% during peak loads.
- Led end-to-end migration of legacy JSP/Struts UI to a modern, accessible (WCAG-compliant) React interface, collaborating with UX designers and business stakeholders for adoption readiness.
- Structured optimized SQL queries and JPA repositories for claim, enrollment, and provider data models using PostgreSQL, ensuring ACID compliance and reducing query latency by 25%.
- Exposed secure REST APIs for actuarial and analytics teams to retrieve historical claims, rejections, and TAT (turnaround time) metrics driving quarterly performance dashboards.
- Collaborated with DevOps and QA teams to dockerize backend services, automate CI/CD pipelines via GitLab, and implement AWS CloudWatch alerts for proactive issue monitoring and resolution.

## TECHNICAL SKILL

**Programming Languages & Frameworks:** Java (JDK 8–17), JavaScript (ES6+), TypeScript, Node.js (Express), Spring Boot, Spring MVC, Hibernate, JPA, RESTful APIs, J2EE, MEAN/MERN Stack

**Frontend & Web Technologies:** React.js, Angular, Redux, HTML5, CSS3, SCSS, Bootstrap, Material UI, AJAX, WebSockets, GraphQL, Responsive UI Design

**Backend & Microservices Architecture:** Spring Boot, Node.js (Express), REST API development, JWT-based Authentication, API Gateway, Asynchronous Messaging (Kafka, RabbitMQ), Monolith to Microservices Migration, Serverless Functions

**Cloud Platforms & DevOps:** AWS (EC2, S3, RDS, Lambda, CloudWatch, API Gateway), Azure (App Services, Azure SQL, Blob Storage), Docker, Kubernetes (EKS/AKS), Jenkins, GitHub Actions, GitLab CI/CD, SonarQube, Terraform, Infrastructure as Code

**Databases & Data Management:** PostgreSQL, MongoDB, Oracle, MySQL, SQL Server, Cassandra, DynamoDB, Redis, Liquibase/Flyway (DB Migration), Query Optimization, Data Modeling (ERD, Normalization)

**Development Tools & Workflow:** Git, GitLab, Maven, Gradle, VS Code, IntelliJ IDEA, Eclipse, Postman, Swagger/OpenAPI, Jira, Confluence, Agile/Scrum

**Data Science and Machine Learning:** Python, scikit-learn, NLP, Machine Learning Algorithms, Data Analysis, Data Visualization, Feature Engineering

## EDUCATION

Syracuse University, College of Engineering and Computer Science  
Master of Science in Computer Science

Syracuse, NY  
May – 2024

Savitribai Phule Pune University, Modern College of Engineering  
Bachelor of Engineering, Computer Engineering

Pune, India  
Jun – 2018