

SUYOG BACHHAV

Dallas, TX 75240 | +1 (872) 258-3182 | suyogbachhav11@gmail.com | [linkedin.com/in/suyog-bachhav](https://www.linkedin.com/in/suyog-bachhav)

SUMMARY

SDE Backend / Platform Engineer with 5 years of experience building high-throughput distributed systems and leading large-scale legacy modernization (mainframe → microservices). Expertise in Java, Spring Boot, PostgreSQL, and AWS, with proven impact in zero-downtime migrations and performance optimization at scale.

SKILLS & CERTIFICATIONS

Programming Languages: Java, JavaScript, TypeScript, Python, C++, SQL.

Development & Testing: Spring Boot, Hibernate, React, Next.js, Tailwind CSS, JUnit.

Data & Infrastructure: PostgreSQL, Redis, AWS (SES, S3, M2, Secrets Manager), Docker, Jenkins, Git, Postman.

Certifications: AWS Learning: Architecting, AWS Cloud Practitioner.

EXPERIENCE

Software Development Engineer | Amazon Web Services, Dallas, TX

Dec 2023 – Present

Project: State Farm ECS | Spring Boot, PostgreSQL, Redis, AWS SES, AWS M2, Atomikos

- Leveraged AWS Transform's agentic AI service to analyze and **modernize 5M+ lines of mainframe code** into Java microservices while maintaining end to end functional equivalence.
- Achieved zero-downtime **migration of 15M insurance claims** from DB2 z/OS to PostgreSQL Aurora, **processing 50K daily transactions at <200ms P99 latency**, by architecting a dynamic data source routing framework with JTA transaction management and XA/non-XA support.
- Sustained 2.4M+ daily stored procedure** invocations **under a sub-800ms SLA** by building hybrid REST API microservices that replaced legacy mainframe calls with Spring Boot orchestration.
- Eliminated database migration risk with 100% compatibility assurance by extending BluAge transformation output to dynamically bind SQL query execution to the correct data engine at runtime.
- Improved email delivery **reliability to 99.9% success rate** by replacing the legacy Exchange-based mail service with an AWS SES-integrated utility featuring automated domain verification and secure TLS communication via AWS SDK v2.
- Enabled safe transactional consistency across heterogeneous data layers by configuring Atomikos transaction manager and custom JDBC templates for high-concurrency, multi-engine workloads.

Project: FIS Omni | Spring Boot, PostgreSQL, S3, M2, BluInsight, JProfiler

- Reduced manual engineering overhead by ~40% across 10+ microservices by integrating Amazon Kiro (AWS's agentic AI IDE) for spec generation, automated documentation, and performance bottleneck analysis.
- Improved batch job execution time **from 14 minutes to under 1 minute, a >90% throughput** improvement, by engineering a multithreaded message-processing system that parallelized XML generation and MQ publishing.
- Cut manual configuration overhead by 50% by centralizing YAML-based configuration merged with AWS Secrets Manager, supporting schema-level and step-level data source granularity.

Software Engineer | Mass Technologies, India

Jun 2019 – Aug 2021

Project: Inventory Insight System | React.js, Spring Boot, PostgreSQL, JUnit

- Boosted operational efficiency for Purchase and Finance departments by building an inventory management system on Spring Boot and PostgreSQL (AWS-hosted), streamlining product quantity tracking from BMR.
- Enabled real-time inventory tracking and seamless CRUD operations by designing RESTful APIs with Spring Boot and a dynamic React.js interface with reusable components.
- Safeguarded sensitive inventory data and ensured compliance by implementing role-based access control with Spring Security, restricting data visibility by user role.

EDUCATION

Master of Computer Science

May 2023

Illinois Institute of Technology, Chicago, IL

Bachelor of Engineering in Computer Science

Jun 2019

Savitribai Phule Pune University, India