

SANA SHAIKH

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PROFESSIONAL SUMMARY

Results-driven Senior Software Engineer with over 10 years of experience in Java-based backend development. Specializing in Microservices Architecture, Scalable System Design, and performance optimization. Proven expertise in building distributed systems and improving application efficiency. Strong in DSA, Spring Boot, AWS, Docker, and CI/CD, with a history of delivering secure, cloud-native solutions in high-impact domains.

TECHNICAL SKILLS

Languages & Frameworks: Java, Python, SQL, Spring Boot, React.js

Architecture & Design: Microservices, RESTful APIs, HLD, LLD, System Design

Tools & Platforms: AWS, Kubernetes, Docker, Jenkins, Git

Concepts: Domain-Driven Design (DDD), TDD, API Integrations

Other: Data Structures & Algorithms, CI/CD Automation

PROFESSIONAL EXPERIENCE

Software Engineer III

J.P. Morgan, Mumbai, India — Jun 2023 – Present

- Migrated complex legacy systems, eliminating ~360,000 redundant calls/day, significantly reducing maintenance overhead.
- Improved test coverage from 45% to 75% using TDD and automated CI/CD, streamlining deployments.
- Designed and deployed secure, cloud-native applications on AWS as part of POC initiatives.
- Implemented feature-flag-based releases, improving rollout flexibility and reducing dependency on downstream systems.

Senior Software Engineer

Airasia Super App, Mumbai, India — Jun 2021 – May 2023

- Developed microservices that boosted hotel inventory sales by 40%.
- Applied DDD to ensure scalable and maintainable architecture.

- Built supplier rate comparison APIs, reducing manual analysis time by 3 hours/day.
- Integrated Pay-at-Hotel feature and enhanced payment flow UX, driving conversion growth.
- Designed and implemented an admin dashboard in React.js, saving ~20 hours/week of manual admin effort.

Associate

J.P. Morgan India Services, Mumbai, India — Jun 2019 – Jun 2021

- Created new backend modules that improved system response and reliability.
- Refactored services into microservices using Spring Boot, cutting boilerplate code by ~40%.
- Led reengineering of incomplete modules, reducing technical debt and enhancing maintainability.

Senior Software Engineer

Birlasoft, Mumbai, India — Jan 2018 – Jun 2019

- Modernized legacy Java systems with functional programming and messaging systems.
- Built a master data management module to eliminate data inconsistencies.

Associate

Zycus Infotech, Mumbai, India — Oct 2015 – Jan 2018

- Designed and implemented enterprise features for procurement and supply chain platforms.
- Collaborated on end-to-end product lifecycle for global clients.

EDUCATION

Bachelor of Engineering (B.E.) – Information Technology

University of Mumbai — 2014

Graduated First Class

CERTIFICATIONS

AWS Certified Cloud Practitioner – Amazon Web Services