

BIKASH JENA

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OBJECTIVE

Experienced Software Engineer skilled in designing and optimizing distributed backend systems. Proficient in system architecture, performance tuning, and security. Adept at solving complex problems and collaborating cross-functionally to deliver scalable solutions. Passionate about innovation at scale.

EDUCATION

Bachelor of Technology, IEST, Shibpur 2017 - 2021
Courses: Data Structures, Algorithms, Database Management, Operating Systems

SKILLS

Backend	Java, Python, Spring Boot, Quarkus, Microservices, Distributed Systems, Design Patterns
Frontend	JavaScript, Angular, React, HTML, CSS
Cloud	AWS, Lambda, CloudFormation, EC2, S3, SNS, SQS, API Gateway, MSK
DevOps	CI/CD, Docker, Kubernetes, Jenkins, Git, GitLab, GitHub
Monitoring	PagerDuty, Dynatrace, Sumo Logic, CloudWatch
Security	Veracode, Prisma, SonarQube, Wiz
Databases	SQL, Oracle, MySQL, MongoDB, Cassandra, Redis, DynamoDB
Others	Multithreading, Data Structures, System Design (LLD & HLD), GraphQL, REST API

EXPERIENCE

Software Engineer Jun 2023 - Present
Delta Air Lines *Bengaluru, India*

- Optimized microservices using Java 17, Spring Boot, and Quarkus, reducing API response time by **35%**. Enhanced system scalability to handle **1000+ transactions/second** through reactive programming and GC tuning.
- Eliminated **100% critical security vulnerabilities** via Veracode, Prisma, and SonarQube. Developed 270+ test cases, reducing post-release issues.
- Led backend architecture improvements, boosting scalability by **40%** for high-traffic airline operations.
- Automated CI/CD pipelines, cutting deployment time by **70%** via Docker and Kubernetes. Built Dynatrace and SumoLogic dashboards for proactive monitoring.

Software Engineer Jul 2021 - Jun 2023
CGI Inc. *Hyderabad, India*

- Designed scalable microservices with Spring Boot, RabbitMQ, and MongoDB, increasing throughput by **50%**.
- Developed RESTful APIs handling **millions of requests daily**, optimizing database queries in MySQL MongoDB.
- Migrated legacy apps to AWS, cutting infrastructure costs by **30%**.
- Integrated Dynatrace Sumo Logic, reducing issue resolution time by **60%**.

PROJECTS

Kawach – Pandemic Support Platform Developed a scalable networking platform connecting patients, doctors, and volunteers using Spring Boot, Angular, and MongoDB. Integrated real-time messaging via WebSockets and Kafka, supporting **1000+ concurrent users**.([GitHub Repository](#))

EXTRA-CURRICULAR ACTIVITIES

- Publish [LinkedIn](#) posts on system design, backend engineering, and career growth.

HONORS AND AWARDS

- [Chairman's Club Nominee Award](#) at Delta - Oct 2024
- Two-Time Recipient of Delta's Best Contribution Silver Award (2023, 2024)