ARATRIKA RAY

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PROFESSIONAL SUMMARY

Results-driven Backend Engineer (Java, Spring Boot, Node.js, AWS) with 3+ years of experience designing and scaling cloud-native distributed systems. Recognized for delivering robust, secure, and highly scalable backend infrastructure. Adept at optimizing performance, reducing failures, and leading impactful, customer-focused projects. Beyond my technical capabilities, I'm a dedicated professional with strong communication skills and a collaborative mindset—driven to raise engineering standards and contribute meaningfully to team success.

TECHNICAL SKILLS

- **Languages & Frameworks:** Java, Spring Boot, Node.js, NodeJs, Python
- **Databases:** MongoDB, MySQL
- **Tools & Technologies:** AWS (EC2, S3), Docker, RabbitMQ, Git, JIRA, Sumologic
- **Concepts:** Microservices, REST APIs, System Design, Stateless Architecture, Monitoring & Alerting Systems

WORK EXPERIENCE

Senior Software Engineer, Ushur Technologies   July 2024 - Present

- Developed and maintained various JAVA and Nodejs micro-services.
- Enhanced system observability by designing a new logging structure in Node.js, improving debuggability and monitoring by 40%.
- Made architectural decisions for microservice development and created Functional Design Documents for the same to guide development, reduce failures and drive end to end testing. Creating such design documents largely helped test coverage, reduced production failures by 50% and reduced time spent on debugging.
- Built and deployed alert systems using Sumologic, cutting SLA response times by several hours.
- Introduced customer-specific backend optimizations, including:
  - 80% reduction in MongoDB usage through smarter data extraction and storage methods.
  - Modular code in Java and NodeJs that reduced post-processing response time by 30%.
- Led various customer centric projects, scrum teams and key feature development initiatives.
- Enabled cross team collaboration on priority customer requirements.

Full Stack Engineer, Ushur Technologies   July 2022 - June 2024

- Refactored backend APIs to reduce latency by 20% and improving overall system performance by 15%.
- Diagnosed and resolved high-priority production issues, reducing service downtime by 30%.
- Contributed to the development of No-Code front-end dashboards for enterprise customers.
- Engineered microservices to be stateless, improving horizontal scalability and reliability making the product highly available and resilient.
- Actively participated in high priority customer issues that built trust for the customers.

ADDITIONAL INFORMATION

- **Awards/Activities:** Received "Pursuit of Excellence" Award at Ushur Technologies for my outstanding contribution in internal projects.

INTERNSHIP EXPERIENCE

Software Development Engineer, Ushur Technologies   November 2021 - June 2022

1. Developed various test suites for microservices in Python which is used rigorously as an automation suite for releases.
2. Contributed to generating customer analytics and report generation.
3. Contributed to refactoring of Java services.

Full Stack Developer, ShopOut   April 2021 - July 2021

1. Developed the backend services in NodeJs including payments gateway, checkout features, several API endpoints and video conferencing features.
2. Developed frontend pages like checkout, landing page and help center in react native.
3. Published the android app onto Play Store for version releases.
4. Led the backend team of interns.

Web Developer, DataAcquity   August 2020 - September 2020

1. Developed frontend pages for clients of DataAcquity
2. Contributed to JavaScript development for Google Analytics and tags.
3. Was the front-face for collaboration with clients and their requirements for Google Analytics.

EDUCATION

Bachelor of Technology, Computer Science Engineering   Aug 2018 – Apr 2022
PES University