

Nayonika Mohapatra

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EDUCATION

International Institute of Information Technology, Bhubaneswar

Bachelor of Technology in Computer Science Engineering, CGPA : 8.49

Aug 2017 - May 2021

Bhubaneswar, India

Modern Public School, Balasore

CBSE, High School, 95.6%

Aug 2015 - May 2017

Balasore, India

WORK EXPERIENCE

Software Engineer

November 2023 - Present

PhonePe

Bengaluru, India

- Owned the end-to-end re-architecture of the Indus Appstore developer service, leading its migration from Node.js to a high-performance Java framework; designed new database schemas and established comprehensive monitoring, achieving a 70% cut in API latency and a 90% reduction in mean-time-to-resolution (MTTR).
- Developed a high-throughput statistics service (handling 20k RPM peaks) by designing a scalable data pipeline that consumed and aggregated 50M+ daily Kafka events into a read-optimized database, powering all client-facing analytics charts with a P95 latency under 80ms.
- Developed app rating & review system (incl. review filtering, user flagging, & developer responses), integrating an LLM for sentiment analysis and a profanity model to automatically moderate 90% of submissions, cutting manual moderation time by 70% on a scale of 1k+ daily reviews.
- Designed and implemented an event-driven security pipeline to perform anti-virus scans on 10k+ daily uploaded APKs, triggering real-time notifications to developers via email upon malware detection.
- Java(Dropwizard), HBase, Elasticsearch, Aerospike, ElasticSearch, NodeJS

Software Development Engineer 1

August 2021 — October 2022

Dell Technologies

Bengaluru, India

- Developed scalable and robust orchestration engine in Golang - to manage complex cross-domain workflows and handle order exceptions that reduced order journey time by 20%.
- Developed REST APIs in Go and Typescript with 90% test coverage, consumed by business team for data visualization and by various product teams to analyze their services' performance in the order orchestration.
- Developed regular alerting capability in Golang using MS Teams webhook to track microservices health and RMQ backlogs which helped stabilize the non-prod testing environments.
- Go, Typescript, MongoDB, Elasticsearch, ReactJS

TECHNICAL SKILLS

Microservices, Java, Go, Javascript, Typescript, C, C++, Dropwizard, NodeJS, ExpressJS, ReactJS, PostgreSQL, MongoDB, Elasticsearch, DynamoDb, GraphQL, AWS, GCP, Docker, Grafana, RMQ, Linux, Kafka, Kubernetes, Git, CI/CD, HBase, MariaDB, Aerospike

PROJECTS

Hostel Management Application |

- Academic project developed using NodeJS and PostgreSQL to implement various features of hostel management for 3 key users - admin, warden and student.

E-commerce Website |

- Developed this to gain hands-on experience in Firebase ReactJS, mongoDB, GraphQL

Chat Application |

- Implemented this project to learn about socket.io and NodeJS