

Subhodeep Mukherjee

A highly motivated software development engineer in pursuit to learn new technologies and help the organization in its requirements and to have a lasting impact on the course of major organizations, and facilitate them to achieve their short and long term goals.

Contact

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Skills

Java

Restful Web Services

Spring Boot

Microservices

Postgre SQL

Kafka

Maven

Kubernetes

Docker

Software Design and Architecture

Redis

GCP

Mockito

Spring Reactor

Git

Work History

**2023-09 -
Current**

Senior Associate Technology

Publicis Sapient, Bengaluru

- Led the development efforts for the Tesco Self-Service Checkout Transformation project, a strategic initiative aimed at converting manned tills into self-service checkouts.
- played a pivotal role in designing and implementing the system architecture, utilizing a technology stack that includes Java JDK 11, Spring Boot, Kafka, Docker, Jenkins, Kubernetes, and more
- Leveraged Java with Spring Boot to build microservices for order processing, utilizing Reactor for reactive programming to handle concurrent orders efficiently.
- integrated monitoring tools like Splunk, Prometheus, and Grafana for efficient log analysis and system metrics visualization.
- Employed Kubernetes for container orchestration, allowing dynamic scaling of order processing microservices based on demand.

**2023-02 -
2023-09**

Software Development Engineer 2

Reliance JIO, Bengaluru

- Developed AJIO B2C Invoicing RESTful APIs and microservices using Spring Reactor, Spring Boot, Kafka.
- Led the design and implementation of microservices architecture to modularize the application, improving maintainability and facilitating independent development and deployment of services.
- Applied principles of reactive programming to enhance responsiveness and throughput in handling high transaction volumes.
- Leveraged Swagger/OpenAPI specifications for API documentation and contract-first development.
- Strong experience in system design, architecture and implementation using design patterns and software development methodologies
- Led the migration of a high volume Postgres database to Oracle, which involved designing and implementing a comprehensive migration plan effectively reducing 67 tables to 13 tables.
- Conducted integration testing and code quality checks as part of the deployment process.
- Conducted code reviews and pair programming for the undergoing projects, ensuring code quality and

best practices are maintained.

- Developed test plans and test cases using JUnit framework and ensured 90% code coverage.
- Increased system performance to process 100 line items which played a pivotal role in fortifying the application's capabilities
- Engineered efficient database schemas, employed indexing strategies, and utilized database optimization techniques to enhance query performance and reduce latency.
- Provided mentorship and guidance to junior developers, ensuring that they understand the best practices of development and testing.

**2022-02 -
2023-01**

Software Engineer III

Walmart Global Tech India, Bangalore

- Spearheaded the development of a robust order management system at Walmart, leveraging Java for backend services.
- Designed and implemented scalable microservices architecture, including Fulfillment Service, Invoicing Service, and Financial Data Posting Service.
- Successfully decomposed monolithic order management processes into microservices, improving system modularity and scalability.
- Utilized technologies such as Spring Boot to create independent and deployable microservices, ensuring efficient communication between services.
- Led the design and implementation of the Fulfillment Service, optimizing order processing times and improving overall system responsiveness.
- Implemented caching mechanisms and database indexing to reduce latency and improve response times.
- Deployed Java application on Google Cloud Platform (GCP) using Kubernetes for high availability and scalability.
- Developed Rest APIs using Java 8, JUnit cases for unit testing and deployed services on cloud infrastructure and analyzed logs using Splunk.
- Responsible for E2E testing, automation testing, regression testing and deployment of services.
- Participated in architecture, design and implementation of back-end features.
- Train, manage and provide guidance to junior software development staff.
- Participated in code reviews.

**2021-03 -
2022-02**

Software Engineer - II

Philips, Bangalore

- Developed spring boot Restful APIs to effectively manage healthcare systems.
- Responsible for deploying services to Cloud Foundry.
- Experience in using build/deploy tools such as Jenkins and Docker for Continuous Integration & Deployment for Microservices.
- Participated in code reviews and debugged errors to improve performance.

- Collaborated in team based, agile environment to accomplish objectives by deadline.
- Hands on experience with build and deployment tools including Maven, logging and Debugging using Slf4 and Log4j, unit and integration testing using JUnit.
- Strong Knowledge on Application Development using Software Development Life Cycle SDLC using various methodologies like Waterfall,Agile/Scrum
- Optimized queries in Postgre SQL to ensure smooth functioning of application.
- Checked client code for bugs and weaknesses using approved troubleshooting methods
- Document design specifications, installation instructions, and other system related information.
- Good working experience in GUI design and application development using IDE's like Eclipse and IntelliJ IDEA.

2018-11 -
2021-03

Member of Technical Staff

MetricStream, Bangalore

- Transformed legacy application into suite of cloud-hosted Microservices using Spring Boot.
- Oversaw migration of existing application into Microservices Architecture using Rest APIs, spring boot.
- Worked on authentication of Business APIs.
- Worked in agile framework and research teams in story grooming, reviewing story/acceptance criteria and performance metrics
- Analyzed client business processes to propose optimal software applications for unique requirements
- Proctored both online and in-person technical training courses on Microservices.

2018-07 -
2018-10

Software Engineer Trainee

Fiport, Bengaluru

- Verified product success through collaborating with stakeholders and product owners and estimating accurate project deliverability timeframes.
- Analyzed source code to identify functionality issues.
- Worked with developers to identify and remove software bugs.
- Tested new applications for usability and adherence to code plan.

Certifications

2021-09

Certified Safe® 5 Practitioner

Accomplishments

1. **Certified Safe® 5 Practitioner** - Key areas of responsibility include planning Program Increments and iterations, breaking requirements into stories, developing incrementally with built-in quality, demoing value at a team and program level, and problem solving

impediments to drive relentless improvement. (Scaled Agile Inc, 2021)

2. **GIAN(MHRD initiative)** - Recognized for 100% grade in the course which included developing a python based movie recommendation system using MovieLens dataset initiated by MHRD. (NIT ROURKELA, 2016).

Additional Information

Publications:

Title - Analysis of Movie Recommender System using Collaborative Filtering.

Publication/Publisher - International Journal of Recent Trends in Engineering and Research (IJRTER)

URL - (<https://doi.org/10.23883/IJRTER.2017.3232.ZPBXJ>)

Education

2014-08 -
2018-05

Bachelor of Technology: Information Technology

IIIT Bhubaneswar - Bhubaneswar