

Abhishek Mishra

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EXPERIENCE

MCT Cards, Software Developer (Team Member) | Manipal, India Jan 2024 - Present

- Designed and implemented a **pipeline** that enabled **500+ mobile NVRs to auto-register** with the **DSS server**, reducing manual intervention by **80%** and saving **10 hours per week** for the **BMTC project**.
- Applied **Test-Driven Development (TDD)** practices to ensure high-quality code and **reduce post-release defects by 20%**.
- Proficient in video download and management using NetSDK, including **time-based and file-based downloads, stream type configuration, and video querying**.
- Developed and maintained RESTful APIs and backend systems using **Kafka for data streaming and processing**.
- Provided mentorship and guidance** to junior team members on task and project setup, as well as organizational work flow, resulting in **improved efficiency and quality**.

XenonStack, Associate Software Engineer (Java Developer) | Mohali, India Feb 2023 - Dec 2023

- Expertise in Java and Spring Boot** for designing, coding, testing, and maintaining high-performance backend services and APIs.
- Optimized data retrieval and storage efficiency by 40%** through expert management of database schemas, SQL query optimization, and ORM frameworks.
- Create and maintain **RESTful APIs** that enable seamless communication between the frontend and backend systems and with Microservices.
- Designed and implemented a highly efficient **searching algorithm with $O(\log n)$ time complexity**, significantly optimizing data validation for the testing team. This innovation resulted in a remarkable **50% reduction in workload associated with identifying missing and duplicate data**.
- Utilized Git, Jira, and Bitbucket** for version control, Agile project management, and code collaboration. **Streamlined software development efficiency** by implementing custom workflows, pull requests, and CI/CD integration

INADEV, Backend Engineer (Intern + GTE) | Remote (India) Feb 2022 - Jan 2023

- Successfully developed and implemented various Software Modules and Software Solutions** to solve complex project-related needs using Core Java and Spring Boot.
- Proven ability to **coordinate on technical requirements from clients** and **manage functionalities of various modules**.
- Experience working on an Agile Development team**. Have a good understanding of **Inventory, Supply Chain, and Order Management Modules**.
- Implementing new **REST Endpoints** in the controller layer and **end-to-end flow** from the controller layer to service layer to DAO layer in the project.
- Optimizing microservices** for scalability, performance, fault tolerance, and resilience.
- Identified **root causes of existing issues** and effectively resolved them, leading to a **20% reduction in system errors**.
- Writing tests in JUnit to ensure functionality and quality, and documenting technical aspects such as **API specifications and deployment guides**.

SKILLS

Languages	Java (J2SE, J2EE, Java8), Python (Basic).
Framework	Spring Boot, Spring Framework, Hibernate, Restful Web Services.
Database	MongoDB, MySQL, Oracle, Redis.
Real-Time Tools	Kafka, Maven, Log4j
Operating Systems	Linux, Windows.
Cloud Technologies	Amazon Web Services (AWS).
AWS Service	EC2, S3, API-gateway, Lambda, ECS, RDS, SNS.
WEBDEV (Basic)	HTML5, CSS3, XML, JavaScript, JSON, React JS.
Familiar	Microservices, Multithreading, Design Patterns, OOP'S Concepts, Collections, Exception Handling, JUnit, Agile Methodologies, Algorithms, Data Structures, Docker, Kubernetes, Jenkins, Bitbucket CI/CD.
Tools / Platforms	VS Code, IntelliJ IDEA, Spring Tool Suite (STS), AWS, Git, Jira, GitHub, Bitbucket, Grafana, MySQL Workbench, Postman.

EDUCATION

UTTARANCHAL UNIVERSITY,
Bachelor of Technology in Computer Science and Engineering | Dehradun, India GPA: **8.11 / 10** May 2022

Achievements

- Applied data structures and algorithms skills to solve 400+ complex problems on various online platforms, including LeetCode, GeeksforGeeks, and Codestudio.