

MD KALI MOLLAH HOSSAIN

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Summary

Full-Stack Developer (Java/MERN) with experience building and maintaining scalable web applications serving 5,000+ users. Strong in backend development, writing efficient logic, optimizing SQL performance, and ensuring reliable, stable system design using structured architecture principles.

Technical Skills

Languages: Java SE/EE, JavaScript, Python, TypeScript, SQL, Basic C
Frameworks: Spring Boot, React, Node.js, Express.js, Next.js, Hibernate, Tailwind CSS
Databases: MySQL, PostgreSQL, MongoDB
Tools/Concepts: Git, GitHub, AWS, Docker, RESTful APIs, System Design, Data Structures, MVC, OOP

Experience

- Associate Software Engineer** Nov 2024 – Mar 2026
Perennation Computer Solutions Global Pvt. Ltd. Kolkata, India
- Contributed to development of MERN and Java-based systems serving 5,000+ users, reducing operational costs by 15%.
 - Implemented robust RBAC and JWT authentication frameworks, reducing reported vulnerabilities by 25%.
 - Collaborated in Agile sprints to deliver features faster and improve deployment efficiency.
- Full Stack Developer Intern** May 2024 – Nov 2024
QSpiders - Software Testing Training Institute Kolkata, India
- Orchestrated scalable backend systems using Spring Boot and Hibernate with Controller-Service-Repository pattern.
 - Refined SQL schema performance tuning, slashing query execution time while ensuring data integrity.
 - Applied advanced DSA to minimize runtime complexity in core application workflows.
- Junior Frontend Developer** Jun 2020 – Jul 2021
DeliPat IT Durgapur, India
- Optimized React state management and lifecycle methods, boosting performance by 25%.
 - Implemented code optimization techniques improving system performance by 18%.

Projects

- Multi-vendor e-Commerce Platform | MERN, Razorpay, RBAC/JWT**
- Built a MERN-based multi-vendor platform with JWT authentication and Razorpay integration, enabling secure transactions and scalable seller workflows
 - Developed REST APIs capable of handling 100+ concurrent requests with secure JWT authentication.
- SmartInventory – Enterprise Resource Tracker | Java, Next.js, ACID**
- Engineered a secure inventory system with real-time ACID synchronization, reducing stock discrepancies by 40%.
- Interior Design Booking Platform | React, Node.js, OAuth2**
- Spearheaded a MERN-based service engine; slashed latency by 25% via React memoization.
 - Designed backend APIs ensuring secure booking workflows and preventing double booking.

Key Achievements & Certifications

- **IBM Full Stack Developer:** Validation of Java full stack and DevOps workflows.
- **MySQL Database Specialist:** Expertise in relational schema design and indexing strategies.
- **AWS cloud computing:** Proficiency in managing EC2/S3 resources and cloud deployment.
- **Team Leadership:** Led a cross-functional team in delivering a project 2 months early.
- **Solved 200+ coding problems** across arrays, strings, and core DSA concepts, practiced on platforms like LeetCode / HackerRank

Education

- NSHM Knowledge Campus** Durgapur, India
B.Tech in Computer Science | CGPA: 7.8 Aug 2020 – Jun 2024
- West Bengal Council of Higher Secondary Education** Kolkata, India
Intermediate in Science May 2018 – Apr 2020