Manas Kapoor

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Education

University of Petroleum and Energy Studies   2020-2024
Bachelor of Technology in Computer Science   *Dehradun, Uttarakhand*

Experience

Datopic Technologies   Noida, UP
Software Engineer   *Feb 2024 – Present*

- Planned and delivered production features for internal monitoring platforms using **Java, Spring Boot, React, and MySQL**, supporting **1,100+ daily users** with end-to-end ownership from requirement analysis to post release support.
- Improved server-side performance by reducing average API response time from **850ms to 500ms** through query optimization, indexing, and pagination improvements in **Spring Boot**.
- Re-architected a monolithic **Java/Spring** backend into modular components, reducing deployment time from **2 hours to 1.5 hours** and increasing release frequency from bi-weekly to weekly.
- Created a real-time transaction dashboard using **React and WebSockets**, processing **10,000–12,000 daily updates** while maintaining **99.9% uptime**.
- Reduced recurring production defects from **10+ per month to 6–7 per month** by adding unit tests and structured logging lowered average debugging time from **3 hours to 2 hours**.
- Applied secure authentication and enforced role-based access control using **JWT and Spring Security** for **3 user roles**, passing internal audits without security findings.
- Collaborated within 2 week Agile sprints, contributing to code reviews, SDLC activities, and design discussions to ensure stable and timely feature releases.

Projects

Automotive Accessories E-Commerce Platform | *React, Redux, Java, Spring Boot, MySQL*

- Created a full-stack e-commerce platform managing **1,000+ products**; developed REST APIs using **Java and Spring Boot** and a responsive **React** frontend with cart and checkout workflows.
- Improved product listing load time by **30%** by introducing pagination, optimized Redux state management, and selective data fetching for large product datasets.
- Applied JWT-based authentication and role-based access control, securing admin operations and ensuring reliable order processing.

Used-Car Lead Management Platform | *React, Java, Spring Boot, MySQL*

- Developed a web-based lead management system replacing manual WhatsApp workflows, achieving **100% digital lead capture** for dealership inquiries.
- Reduced incomplete submissions by **25%** by introducing form validation and multi-image upload support, streamlining processing of **20–30 weekly leads**.
- Engineered backend APIs with **Spring Boot** and integrated frontend workflows in **React** for real-time lead tracking, improving response turnaround time.

Technical Skills

Languages: Java, JavaScript (ES6+), TypeScript, Node.js, HTML5, CSS3
Backend: Spring Boot, Spring Security, JWT, RESTful APIs, JPA (Hibernate), JDBC
Frontend: React.js, Next.js, Tailwind CSS, Responsive Design, Performance Optimization
State & Data: Redux / Redux Toolkit, WebSockets, REST APIs, Firebase Authentication
Databases: MySQL, MongoDB, Firestore
Cloud & DevOps: AWS (EC2, RDS), Docker, CI/CD Basics
Core Concepts: Data Structures & Algorithms, Object-Oriented Programming, System Design, Design Patterns