

# Manas Kapoor

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## Education

### University of Petroleum and Energy Studies

Bachelor of Technology in Computer Science

2020-2024

Dehradun, Uttarakhand

## Experience

### Datopic Technologies

Feb 2024 – Present

Noida, Uttar Pradesh

#### Software Engineer

- Designed and delivered **production-grade frontend systems** across CRM platforms, AWS monitoring dashboards, and security tools supporting **1,000+ daily active users**.
- Built transaction monitoring pipelines to process and analyze **10,000+ blockchain transactions per day**, improving anomaly detection and reducing manual review effort by **30%**.
- Implemented role-based access control and authentication in internal applications using **Spring Security**, improving data isolation and reducing unauthorized access incidents to **zero**.
- Designed and integrated relational schemas using **JPA with MySQL** for employee records, transaction logs, and audit trails, reducing query response times by **25%** through optimized indexing.
- Built and enhanced **core CRM modules** (dashboards, tables, filters, forms) using **React.js and Redux**, reducing feature development turnaround time by **20%**.
- Implemented **real-time data visualizations** using **WebSockets**, supporting high-frequency updates with stable UI performance under continuous data streams.
- Collaborated within **Agile/Scrum teams**, working closely with backend, QA, and product stakeholders to deliver features through regular production releases using **Jira**.

### Celebal Technologies

June 2023 – Aug 2023

Remote

#### React.js Trainee

- Built interactive frontend features using **React.js** and managed application state with **Redux**.
- Developed a **Netflix-style application** by integrating the TMDB API for real-time data fetching and dynamic UI rendering.

## Projects

### Automotive Accessories E-Commerce Platform | Java, Spring Boot, Spring Security, JWT, JPA, MySQL, React

- Designed and developed a full-stack e-commerce platform with **JWT-based authentication** and **role-based authorization** (USER / ADMIN) using Spring Security.
- Implemented secure REST APIs for user registration, login, product catalog, cart management, and order processing following a layered Spring Boot architecture.
- Built a dedicated **admin dashboard** enabling product management, inventory control, and order tracking, while enforcing admin-only access via role-based security.
- Integrated **JPA (Hibernate)** with **MySQL** for relational data modeling, implementing pagination and optimized queries to support **1,000+ products**.
- Implemented a **mock payment gateway flow (test mode)** to simulate checkout, payment verification, and order confirmation for real-world extensibility.

### Used-Car Lead Management Platform | Java, Spring Boot, REST APIs, MySQL, React, Image Uploads

- Architected a production-ready full-stack web application used by a dealership to manage **20–30 used-car leads per week**.
- Developed RESTful backend services using **Spring Boot** to handle lead submissions and image uploads, supporting **multiple images per lead** with secure processing.
- Replaced manual WhatsApp-based inquiries with a structured web workflow, enabling **100% digital lead capture** and improved follow-up efficiency.

## Technical Skills

**Languages:** Java, JavaScript (ES6+), TypeScript, HTML5, CSS3

**Backend:** Spring Boot, Spring Security, JWT, RESTful APIs, JPA (Hibernate), JDBC, MySQL

**Frontend:** React.js, Next.js, Tailwind CSS, Responsive Design, Performance Optimization

**State & Data:** Redux / Redux Toolkit, REST APIs, WebSockets, Firebase Authentication, Real-Time Data Visualization

**Databases:** MySQL, Firestore