

# MANISH KUMAR

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## WORK EXPERIENCE

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Altrum AI (Aligne Consultancy Pvt. Ltd.)  
**Full Stack Engineer**

Remote, London  
Jan 2025–July 2025

### Core Product Development

- Developed a scalable Next.js SaaS platform for AI proxy/gateway services supporting OpenAI, Anthropic, Gemini, Bedrock, and Azure.
- Designed multi-tenant PostgreSQL schema with Prisma, supporting RBAC and policy versioning.
- Built a unified API gateway with parameter mapping, cost tracking, and transformation utilities.

### Infrastructure & DevOps

- Created CI/CD pipelines using GitHub Actions for automated deployment to AWS Elastic Beanstalk.
- Dockerized the application with multi-stage builds and optimized production setup.
- Integrated AWS services like S3, SES, and Secrets Manager for storage, email, and secure config.

### Security & Monitoring

- Built advanced logging with PII redaction, securing sensitive user and auth data
- Created a Chrome extension to track LLM prompt/response usage for compliance and analytics.
- Implemented guardrails including toxicity filtering, prompt injection detection, and data privacy.

### API Integration & Documentation

- Integrated and standardized APIs for multiple LLM providers under a single interface.
- Developed reusable middleware for caching, logging (CloudWatch), and request auth.
- Authored extensive API documentation and onboarding guides for developers.

### Frontend Architecture

- Built a responsive dashboard UI for project setup, policy configuration, and real-time analytics.
- Implemented protected routing and state management using React Context Providers.
- Created reusable UI components using Tailwind CSS and the shadcn/ui library.

Tata Consultancy Services  
**Frontend Developer**

Pune, Maharashtra  
July 2021–Present

### Banking & Insurance Applications

- Developed responsive and accessible UI components using ReactJS, Bootstrap, and Tailwind CSS for enterprise-grade portals.
- Built and consumed RESTful APIs using Node.js and Express.js to support real-time user actions like transactions and claims.
- Implemented user login, session management, and authentication mechanisms backed by MongoDB.
- Enhanced form handling with real-time validation, error display, and accessibility improvements.
- Improved state management using Redux and Context API, leading to better scalability across modules.

### Performance & Code Quality

- Refactored legacy codebases to improve maintainability, modularity, and adherence to React best practices.
- Introduced React hooks and reusable components to reduce duplication and improve testability.
- Performed regular code reviews and implemented ESLint, Prettier, and Git hooks for consistent code quality.

### Team Collaboration & CI/CD

- Collaborated with cross-functional teams in agile sprints to deliver UI enhancements and bug fixes.
- Used Git, GitHub, and JIRA for version control and task tracking.
- Supported CI/CD pipeline setup and testing integration using Bamboo and Postman for API validation.

## PROJECTS

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### **FileNest** - Document Upload Application

*Tech Stack:* ReactJS, Firebase Authentication, Firebase Storage, HTML5/CSS3, JavaScript

- Built a Google Drive-like app with Firebase for real-time file uploads and secure access.
- Integrated Firebase Authentication for login and session management.

### **LiveLogistics** - Real-Time Food Delivery Tracking System

*Tech Stack:* Apache Kafka, Node.js, JavaScript, Git, GitHub

- Developed Kafka producers/consumers to stream live updates of delivery rider locations.
- Built backend logic for processing and displaying order-tracking information in real-time.

## KEY SKILLS

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**Frontend Development:** React.js, Next.js, Tailwind CSS, shadcn/ui, Redux, Context API, HTML5, CSS3, JavaScript, Responsive Design, Figma.

**Backend & API:** Node.js, Express.js, REST APIs, Prisma ORM, PostgreSQL, MongoDB, Firebase, JWT, Apache Kafka

**Cloud & DevOps:** Docker, GitHub Actions, AWS (Elastic Beanstalk, S3, SES, Secrets Manager), CI/CD, CloudWatch

**Security & Testing:** RBAC, PII Redaction, Prompt Injection Defense, Secretlint, Hadolint, ESLint, Jest, Mocha, Chai, Postman

**Tools:** Git, GitHub, Webpack, Babel, NPM, Prettier, Chrome Extensions

## EDUCATION

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### **Bachelor of Technology in Computer Science & Engineering**

Punjabi University Patiala

August 2017 – August 2021

CGPA: 8.02