Alok Ranjan Tiwari

Software Engineer

3 Years | (+91) 7783808351 | alokranjanfx@gmail.com

Key skills

- Frontend: React.js (Hooks Context API) TypeScript JavaScript (ES6+) State Management: Redux Zustand Context API UI Libraries: Chakra UI Tailwind CSS Material UI Responsive Design Component Optimization
- Backend: Node.js ,Express.js ,RESTful API Development & Integration MongoDB (Mongoose) MySQL Authentication: JWT Role-Based Access Control
- Database (DB): MongoDB – Mongoose Aggregation Indexing Data Modeling MySQL – Joins Normalization Stored Procedures Query Optimization
- Automation & Testing: Playwright Puppeteer Jest – E2E testing automation scripts Web Scraping using Puppeteer/Cheerio
- Tools & DevOps: Git GitHub GitLab Postman Swagger Docker (basic containerization) CI/CD – GitHub Actions GitLab CI VS Code ESLint Prettier Agile/Scrum Jira

Personal Information

City
Bengaluru, Karnataka, India

Country   **INDIA**

Profile Summary

Full-Stack Developer with 3 years of hands-on experience building fast, scalable web applications. I work mainly with React, TypeScript, Node.js, MongoDB, and MySQL. Passionate about clean code, smooth user experiences, and solving real-world problems through automation, web scraping, and smart API integrations.

Education

B.Sc, 2020

JP UNIVERSITY

Work Experience

Jul 2024 - Apr 2025

Software Engineer
Valence Intelligence pvt ltd

Responsibilities: Developed automated financial reconciliation tools for Amazon and Walmart sellers, significantly enhancing revenue recovery and reducing manual processing by 80%
Built AI-powered fee optimization systems using machine learning algorithms to identify overcharges and reimbursement opportunities, resulting in $2M+ recovered revenue for clients
Implemented data visualization dashboards allowing finance teams to monitor reimbursement trends and gain actionable insights
Optimized database queries, reducing report generation time from minutes to seconds through indexing and query optimization
Collaborated with cross-functional teams to integrate third-party APIs from Amazon Seller Central and Walmart Marketplace
Conducted code reviews and mentored junior developers on best practices for React and Node.js development
Implemented automated tool using Playwright, for bot to dowmload pdf from web and cronjob
Technologies: React.js, Node.js, MySQL, Express.js, AWS, Playwright, TypeScript

Aug 2023 - Jun 2024

Self (Personal Circumstances)
Health Recovery

Responsibilities: Developed and maintained scalable web applications with strong focus on API integrations, UI enhancements, and performance optimization
Consulted with 5+ clients to architect and implement custom web

Languages

- English
- Hindi
- Bhojpuri

Social links

https://www.linkedin.com/in/alok-ranjan-tiwari-620828245

Key Achievements

Recovered Over $2 Million in lost revenue for Amazon and Walmart sellers by building AI-powered fee optimization and reconciliation tools.

Reduced Manual Processing by 80% through automation of financial transaction validation and claim generation.

Automated reconciliation tools for e- commerce platforms Developed automated reconciliationtools that enhanced revenue recovery and improved API performance in various projects with cron jobs.

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solutions, delivering projects on time and within budget
Built RESTful APIs using Node.js and Express.js, implementing JWT authentication and role-based access control
Created responsive React components with TypeScript, ensuring type safety and reducing runtime errors by 40%
Integrated third-party services including payment gateways, email services, and social media APIs Focused on modern React patterns, TypeScript adoption, and cloud architecture improvements
Technologies: React.js, TypeScript, Node.js, REST APIs, MongoDB

Jul 2023 - Aug 2023

Software Engineer
iGuru Software Services

Responsibilities: Led development of SMARTLOCK, a comprehensive shipment tracking solution using container-installed IoT locks, improving delivery accuracy by 95%
Architected and built responsive React.js and Next.js applications integrated with Node.js backend services
Designed real-time data synchronization between IoT devices and web dashboard using WebSocket connections
Implemented geofencing features and route optimization algorithms for logistics efficiency
Technologies: React.js, Next.js, Node.js, TypeScript, MongoDB, AWS

Aug 2022 - Jul 2023

Software Engineer
White Feather Consultancy

Developed Cost Calculator for Healthfirst.com Designed and implemented secure authentication system using JWT tokens with refresh token rotation strategy
Built scalable Node.js APIs for handling user authentication and complex healthcare data processing with HIPAA compliance
Created dynamic React.js frontend with Redux state management for real-time cost calculations based on insurance plans
Integrated Google Maps API allowing users to seamlessly locate in-network doctors based on insurance plans and specialties
Implemented role-based access control (RBAC) to enhance security and compliance with healthcare regulations

Technologies: React.js, Node.js, MSSQL, Google Maps API, JWT, Redux

Oct 2021 - Aug 2022

Software Engineer
Info Hire pvt. ltd

Responsibilities: Enhanced Macy's high-traffic e-commerce platform improving UI performance and site responsiveness for millions of users
Developed and optimized React components for product catalog, shopping cart, and checkout flow
Integrated React Router, Redux, and REST APIs for enhanced functionality and seamless user experience
Implemented lazy loading and code splitting techniques, reducing initial page load time by 45%

Technologies: React.js, Redux, REST APIs, JavaScript, C