

ABHINAV A

Full Stack Developer (MERN Stack)

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SUMMARY

Full Stack Developer with 3+ years of experience designing and deploying scalable MERN stack applications. Expert in React.js, Node.js, Express.js, MongoDB, Redis, and RESTful APIs. Strong background in Docker, CI/CD with GitHub Actions, and AWS (EC2, S3, ECR). Experienced in building secure authentication systems, real-time applications and AI-powered features using prompt engineering and generative AI. Proven ability to optimize performance, lead code reviews, and deliver production-ready solutions in Agile environments.

TECHNICAL SKILLS

Programming Languages: JavaScript (ES6+), TypeScript

Frontend Technologies: React.js, Next.js, Redux, Zustand, TanStack Query, Tailwind CSS

Backend Technologies: Node.js, Express.js

Databases: MongoDB, PostgreSQL

Real-Time Communication: Socket.IO

Caching & Performance : Redis

DevOps & CI/CD : Docker, GitHub Actions

Cloud & Deployment : AWS (S3, EC2, ECR)

AI & Integration: Prompt Engineering, Generative AI, AI Feature Integration

Testing & Debugging: Jest, Postman

Other Skills: System Design, API Optimization, Project Documentation, Code Reviews, Technical Mentoring

EXPERIENCE

Full Stack Developer - Metasoft IT Solutions

2023-Present

- Developed and maintained scalable MERN-based web applications, improving user experience by 30% through optimized state management and performance tuning.
- Implemented Dockerized CI/CD pipelines using GitHub Actions; deployed services on AWS EC2, ECR, and S3.
- Developed reusable React components, custom hooks, and shared UI modules, enabling component reusability, scalable frontend architecture, and reducing development time by 50%.
- Built real-time features using Socket.IO and improved system responsiveness with Redis caching.
- Developed admin dashboards, subscription management, and payment workflows with aggregation-based reports and analytics for business insights.
- Designed and documented RESTful APIs, supporting testing and collaboration using Postman and Swagger.
- Led code reviews, mentoring sessions, and knowledge-sharing initiatives, improving team productivity by 25%.
- Collaborated with clients to gather requirements and deliver high-quality solutions in Agile environments.

PROJECTS

SNK Jewels – Digital Gold Scheme Platform

Role: Full Stack Developer

Tech Stack: React.js, Node.js, Express.js, MongoDB, Redis, Zustand, Docker, AWS, Razorpay

- Built an end-to-end digital gold scheme platform for mobile and admin users with JWT, OAuth, and OTP-based authentication.
- Integrated Razorpay payment gateway with MongoDB transactions for atomic operations.
- Developed multi-channel notifications (SMS, Email, Push, In-App) with Twilio, SendGrid, and FCM, allowing user-configurable preferences.
- Managed application state efficiently using Zustand, alongside TanStack Query, optimizing performance and ensuring predictable data flow.
- Optimized frontend performance by 30–40% using reusable components, custom hooks, lazy loading, pagination, debouncing, and throttling.
- Implemented Redis caching, session storage, and background job processing (Redis Bull Queue + Cron) for due payments and notifications.
- Deployed using Docker containers, CI/CD pipelines (GitHub Actions), backend on AWS EC2/ECR, frontend build on S3, ensuring high availability and automated deployment.

ZEEQR - Digital NFC & QR Card Platform

Role: Full Stack Developer

Tech Stack: React.js, Redux, Node.js, Express.js, MongoDB, Docker, AWS

- Developed a digital card purchasing and management platform with QR/NFC-enabled solutions for users, teams, and organizations.
- Built a high-availability Preview Interface to showcase digital card experiences without authentication, ensuring fast access and reliable demonstrations.
- Designed and implemented an Admin Portal for users and organizations to view dashboards, edit profiles, purchase cards, and manage digital interfaces.
- Developed a Super Admin Console for product owners to manage multiple QR/NFC solutions, subscription plans, pricing, and platform-wide configurations.
- Integrated AI-powered text generation features using prompt engineering to automate user content creation.
- Implemented role-based access control and subscription-based access, supporting individual users, bulk/team accounts, and enterprise customers.
- Optimized frontend performance and user flow efficiency through responsive UI design, Redux state management, reusable React components, and lazy loading.
- Delivered end-to-end Dockerized deployments with CI/CD (GitHub Actions), backend on AWS EC2/ECR, and frontend builds served via AWS S3, ensuring automated, reliable production releases.

EDUCATION

Master of Computer Applications (MCA) (Pursuing)

Manipal University Jaipur

Bachelor of Vocation (B.Voc) in Mechatronics Technologies

Tata Institute of Social Science

CERTIFICATIONS & TRAINING

Security & Privacy Training (HIPAA-113) - HIPAA Secure

Cybersecurity Training (SEC-107) - HIPAA Secure

AI For Everyone - DeepLearning.AI

Prompting Essentials - Google