

Abhishek DK

Full Stack Developer

Mangalore, India | abhidk62@gmail.com | +91-7012941009

[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Professional Summary

MCA graduate and passionate Full Stack Developer with hands-on experience building end-to-end web applications using modern MERN stack and Go technologies. Specialized in React.js, Next.js, Node.js, and TypeScript with expertise in both frontend UI/UX development and backend API architecture. Proficient in database design, JWT authentication, real-time systems, payment gateway integrations, and responsive design with CSS frameworks. Experienced with full application lifecycle from frontend component development to backend deployment, DevOps practices, and collaborative development using Git and Agile methodologies.

Technical Skills

- Frontend: React.js, Next.js, JavaScript ES6+, TypeScript, HTML5, CSS3, Responsive Design, Component Architecture
- Backend: Node.js, Express.js, Go, RESTful API Design, Microservices Architecture
- Database: MongoDB, MySQL, PostgreSQL, Redis, Database Design & Optimization, Query Performance Tuning
- Styling & UI: Tailwind CSS, Bootstrap, SCSS/SASS, CSS Modules, Styled Components, Material-UI (MUI), Ant Design
- State Management: React Context API, Zustand, Redux Toolkit, React Query/TanStack Query
- Authentication & Security: JWT, OAuth 2.0, Passport.js, bcrypt, Role-based Access Control, Input Validation
- Real-time & Communication: Socket.IO (client & server), WebRTC, WebSocket, Server-Sent Events
- Payment Integration: Stripe API, PayPal SDK, Razorpay Gateway, Webhook Handling
- Development Tools: Vite, Webpack, ESLint, Prettier, Postman, Swagger, Git Hooks
- Testing: Jest, React Testing Library, Mocha, Chai, Unit & Integration Testing
- DevOps & Deployment: Docker, AWS (EC2, S3), Nginx, Vercel, Netlify, CI/CD (GitHub Actions)

- Third-Party Libraries: Framer Motion, React Hook Form, Chart.js, Axios, Lodash, Multer

Internship Experience

Full Stack Development Intern

DevAppSys IT Solutions Pvt. Ltd, Mangalore | June 2024 – September 2024

- Developed end-to-end web applications using React.js frontend with Node.js/Express backend, implementing responsive UI components and RESTful APIs
- Built secure authentication systems with JWT tokens and bcrypt, integrating frontend login flows with backend validation and session management
- Implemented database design and optimization for MongoDB/SQL, connecting frontend data visualization with backend aggregation pipelines
- Collaborated using Git workflows and Agile methodologies, participating in full-stack code reviews covering component architecture, API design, and security practices

Projects

E-Commerce Web App (MERN Stack: React.js, Node.js, Express.js, MongoDB)

[Source Code](#) | [Live](#)

- Frontend: Built responsive React interface with Tailwind CSS, interactive shopping cart using Context API, and seamless checkout flow with React Hook Form
- Backend: Developed RESTful APIs for user authentication, product catalog, and order processing with JWT security and MongoDB optimization
- Integration: Connected Stripe/PayPal payment gateways with frontend checkout UI and backend webhook handling for secure transaction processing
- Full Stack: Implemented end-to-end user journey from product browsing to payment completion with real-time inventory updates and order tracking

Movie Ticketing Web App (Next.js + Node.js Full Stack)

[Source Code](#) | [Live](#)

- Frontend: Developed stunning theater seat layout interface with Next.js SSR, CSS Grid layouts, and real-time seat selection using Socket.IO client
- Backend: Architected multi-tenant API system with complex seat allocation algorithms, dynamic pricing logic, and concurrent booking prevention

- Database: Designed scalable MongoDB schema with proper indexing, implemented aggregation pipelines for analytics and revenue distribution
- Real-time: Built Socket.IO integration for live seat availability updates, connecting frontend animations with backend state synchronization

Live Chat Application (Full Stack Real-time App)

[Source Code](#) | [Demo](#)

- Frontend: Created sleek messaging interface with React.js, Tailwind CSS, emoji support, file sharing UI, and dark/light theme toggle
- Backend: Built scalable Socket.IO server with message persistence, delivery tracking, user authentication, and rate limiting
- Full Stack: Implemented end-to-end real-time messaging with typing indicators, read receipts, and seamless frontend-backend Socket.IO communication
- Deployment: Deployed with Docker on AWS, implemented auto-scaling, load balancing with Nginx, and monitoring integration

AI Resume Builder (Next.js + Node.js Full Stack)

[Source Code](#) | [Demo](#)

- Frontend: Built interactive resume builder with React.js, drag-and-drop functionality using React DnD, and live preview with Material-UI components
- Backend: Developed secure APIs for user management, resume data storage, PDF generation with Puppeteer, and AI content suggestions
- Integration: Connected frontend form validation with backend data processing, implemented auto-save functionality and real-time template switching
- Security: Implemented JWT authentication flow from frontend login to backend session management with secure file handling

Video Calling Application (WebRTC Full Stack)

[Source Code](#) | [Demo](#)

- Frontend: Developed responsive video interface with React.js, CSS Grid layouts, call controls, and WebRTC peer connection handling
- Backend: Built WebRTC signaling server with Socket.IO, session management, call lifecycle APIs, and TURN/STUN server integration
- Full Stack: Implemented end-to-end video calling experience from frontend UI controls to backend peer negotiation and media streaming
- Performance: Optimized for high concurrent connections, implemented connection recovery, and added call quality monitoring

Education

Master of Computer Applications (MCA)

Srinivas University, Mangalore | 2023 – 2024

Bachelor of Science in Computer Science (B.Sc.)

Canara College, Mangalore University | 2019 – 2022