KESHAV RAJ

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PROFESSIONAL SUMMARY

Full Stack Developer with proven expertise in building scalable, secure web applications using modern technology stacks. Specialized in backend development with Go (Golang) and Fiber framework, and frontend development with Next.js and React. Currently serving as Associate Software Engineer at QuantiqueMinds Pvt. Ltd., with a strong focus on RESTful API design, microservices architecture, and responsive user interfaces. Demonstrated success in delivering HRMS platforms, marketplace solutions, and real-time communication systems. Committed to creating innovative, user-centric applications that drive business value and solve complex technical challenges.

EDUCATION

Bachelor of Engineering in Computer Science and Engineering   **CGPA: 8.50/10.0**
MVJ College of Engineering, Bengaluru, Karnataka | 2021 - 2025

Senior Secondary Education (XII) - Science Stream   **95%**
Viswasanthi EM High School, Andhra Pradesh | 2019 - 2021

Secondary Education (X) - CBSE   **80.2%**
Sainik School Nagrota, Jammu & Kashmir | 2018

TECHNICAL SKILLS

Programming Languages: Go (Golang), JavaScript, TypeScript, C, C++, HTML5, CSS3

Frontend Technologies: Next.js, React.js, Tailwind CSS, Bootstrap, Redux, React Hooks, Chart.js, Responsive Design

Backend & APIs: Fiber Framework, RESTful APIs, WebSocket, JWT Authentication, Microservices Architecture, Node.js

Databases: MongoDB (Aggregation Pipelines, Indexing), MySQL, Database Optimization, Query Performance Tuning

Tools & DevOps: Docker, Git/GitHub, Postman, AWS (EC2, S3), Netlify, CI/CD Pipelines, VS Code, Razorpay Integration

Core Competencies: Problem-Solving, Agile/Scrum Methodology, Team Collaboration, Technical Communication, Code Review, System Design

PROFESSIONAL EXPERIENCE

QuantiqueMinds Pvt. Ltd. - Associate Full Stack Engineer   **Sep 2025 - Present**

Architecting and developing enterprise-grade HRMS applications using Go (Golang) with Fiber framework and Next.js with React. Designing and implementing secure RESTful APIs with JWT authentication and role-based access control (RBAC) for multiple user hierarchies. Building comprehensive HR modules including Employee Management, Attendance Tracking, Leave Management, Payroll Processing, and Performance Management with real-time analytics dashboards. Optimizing MongoDB operations with advanced aggregation pipelines and indexing strategies, improving query performance by 40%. Deploying containerized applications using Docker and managing cloud infrastructure on AWS EC2, ensuring 99.9% uptime and scalability.

Kenshi Labs Consultancy Pvt. Ltd. - Associate Backend Engineer   **Nov 2024 - Aug 2025**

Engineered full-stack solutions using Go (Golang) with Fiber framework for high-performance backend services and Next.js for dynamic frontend applications. Developed and deployed HRMS platform featuring Payroll & Compensation Management and Reports & Analytics with real-time data processing capabilities. Integrated Razorpay Payment Gateway with secure transaction handling and webhook management for automated payment reconciliation. Built scalable buyer-seller marketplace APIs with advanced filtering, search functionality, and pagination, supporting 10,000+ concurrent users. Implemented robust authentication systems with JWT tokens and email OTP verification, reducing unauthorized access attempts by 95%. Developed real-time chat application using WebSocket protocol with message persistence and online status tracking. Containerized applications with Docker, deployed on AWS infrastructure, and maintained comprehensive API documentation using Postman for seamless team collaboration.

Briefiy Media Pvt. Ltd. - Web Development Intern   **Oct 2023 - Nov 2023**

Completed intensive front-end development internship focused on creating responsive, user-friendly websites using HTML5 and CSS3. Collaborated with cross-functional teams including senior developers and designers to implement pixel-perfect UI components and enhance user experience with interactive elements. Optimized website performance and accessibility, achieving 95+ scores on Lighthouse audits. Recognized for exceptional attention to detail, high-quality code delivery, and ability to meet tight deadlines while maintaining strong team collaboration.

KEY PROJECTS

Enterprise HRMS Web Application - QuantiqueMinds   **Sep 2025 - Present**

Leading development of a comprehensive Human Resource Management System using Go (Fiber) backend and Next.js frontend. Implemented eight core modules: Employee Management, Attendance Tracking, Leave Management, Payroll Processing, Performance Management, Recruitment, Training & Development, and Reports & Analytics with role-based access control across four user levels. Built interactive dashboards with Chart.js for real-time data visualization including attendance trends, leave analytics, and payroll summaries. Integrated AWS S3 for secure document storage with encryption and automated email notifications for HR workflows using SMTP. Architected microservices for scalability and deployed using Docker containers on AWS EC2 with CI/CD pipelines, reducing deployment time by 60%.

BRMA Marketplace Platform - Client Project   **Jan 2025 - Sep 2025**

Architected and deployed production-ready backend for B2B marketplace using Go (Fiber) and MongoDB, handling 50,000+ product listings. Implemented secure authentication with JWT tokens and email OTP verification, reducing fraudulent registrations by 85%. Developed real-time bidirectional chat system using WebSocket protocol with message persistence, typing indicators, and read receipts. Built advanced search engine with full-text indexing, multi-criteria filtering, pagination, and category-based navigation, improving search response time by 70%. Optimized database performance using MongoDB indexing and aggregation pipelines, reducing query execution time from 2s to 200ms. Containerized entire application stack using Docker with multi-stage builds, deployed on AWS EC2 with auto-scaling capabilities, and created comprehensive API documentation in Postman with 150+ endpoints for seamless frontend integration.

Bright Mind School Website - Personal Project   **Nov 2024 - Jan 2025**

Designed and developed fully responsive school website using Next.js with server-side rendering for optimal performance and SEO. Implemented dynamic routing, page transitions, and mobile-first responsive design achieving 98+ Google PageSpeed score. Created reusable React components using hooks (useState, useEffect, useContext) for state management and integrated EmailJS for contact form submissions with validation. Optimized images with Next.js Image component for lazy loading and implemented meta tags for SEO, increasing organic traffic by 40%. Deployed on Netlify with continuous integration from GitHub repository, enabling automatic deployments on code commits.