

MUHAMMED RASHID

Full Stack Developer

+91 9048543681 | rashid.dev.007@gmail.com | LinkedIn | GitHub

Summary

Motivated Full Stack Developer with hands-on experience building production-grade applications using Next.js, Node.js, and TypeScript. Skilled in microservices architecture, API gateway design, JWT authentication, and RBAC implementation. Proficient in PostgreSQL, MongoDB, Redis, and AWS deployment. Strong focus on writing clean, maintainable code and delivering scalable solutions. Quick learner with a passion for solving complex technical challenges.

Technical Skills

Languages: JavaScript, TypeScript, SQL, HTML5, CSS3.

Frontend: React.js, Next.js (App Router), Tailwind CSS, Shadcn UI, Responsive Design.

Backend: Node.js, Express.js, REST APIs, Microservices, RabbitMQ, JWT, OAuth 2.0, RBAC, Web Sockets.

Databases: PostgreSQL, MongoDB, Redis, Prisma ORM, TypeORM.

DevOps & Cloud: AWS (EC2, S3), Nginx, Vercel, Cloudflare, CI/CD, Linux.

Tools: Git, GitHub, Postman, Swagger, VS Code, Stripe API, Google Maps API, Figma.

Professional Experience

MERN Stack Developer Intern

June 2025 – Present

- Built production-ready REST APIs processing 1,000+ requests/day with input validation, JWT authentication, and error handling
- Implemented microservices architecture with RabbitMQ message queuing for async task processing and event-driven systems
- Developed comprehensive RBAC system supporting Admin, Owner, Manager, and Valet roles with granular permissions
- Optimized PostgreSQL queries and implemented Redis caching, reducing API response time by 40% and server load
- Designed geospatial search APIs with proximity filtering (20km radius) using Haversine formula for location-based features
- Collaborated in agile teams, participated in code reviews, and contributed to architectural decisions for scalable systems
- Integrated third-party APIs (Stripe payments, Google Maps) and implemented secure webhook handling

Projects

AutoSpace — Smart Parking Management Platform

GitHub

- Architected microservices platform handling 1,000+ daily requests across 4 services (Auth, Resource, Booking, Api Gateway)
- Designed centralized API Gateway with JWT + Refresh Token authentication using secure HTTP-only cookies
- Implemented geospatial search with 20km radius using PostgreSQL geometry types and Haversine distance calculation
- Built real-time valet availability system with status management (Available, Busy, Off-Duty) similar to Swiggy delivery model
- Developed Next.js frontend with protected routes, role-based dashboards, Google Maps integration, and Stripe payment gateway
- Deployed backend on AWS EC2 with Nginx reverse proxy; frontend on Vercel with 99.9% uptime and auto-scaling
- Implemented email notifications with RabbitMQ, PDF invoice generation, and booking confirmation system
- Tech: Next.js, Node.js, TypeScript, PostgreSQL, MongoDB, Redis, RabbitMQ, AWS EC2, Vercel, Stripe, Google Maps API*

Shoebox — E-commerce Platform

GitHub

- Built full-stack footwear e-commerce with shopping cart, wishlist, order tracking, and payment integration
- Designed RESTful APIs for product catalog, user authentication, inventory management, and secure checkout flow
- Implemented session-based authentication with bcrypt password hashing, CSRF protection, and rate limiting
- Integrated third-party payment gateway and automated email notifications for order confirmations
- Deployed on AWS EC2 with MongoDB Atlas, implemented backup strategies and monitoring
- Tech: React.js, Node.js, Express.js, MongoDB, TypeScript, AWS EC2*

Zanpad — Modern Notepad Application

GitHub

- Built feature-rich notepad application with real-time text editing, auto-save, and rich formatting capabilities
- Integrated Clerk authentication with Google OAuth for seamless user login and session management
- Designed responsive UI with Tailwind CSS for optimal user experience
- Implemented note organization with folders, tags, search functionality.
- Tech: Next.js, TypeScript, Clerk Auth, Tailwind CSS, Vercel*

Education

Bachelor of Computer Application (BCA)

June 2022 – March 2025

University of Calicut | Relevant Coursework: Data Structures, DBMS, Web Technologies, System Design

Higher Secondary Education (Computer Science)

2020 – 2022

Kerala Higher Secondary Board | Percentage: 83%

Certifications & Achievements

- Completed advanced MERN Stack development training with hands-on projects in production-grade architecture
- Built and deployed 10+ full-stack applications on AWS EC2 and Vercel with real user traffic and feedback
- Active GitHub contributor with 100+ commits, 10+ public repositories, and consistent code contributions in 2024-2025
- Implemented industry-standard security: JWT authentication, OAuth 2.0, RBAC, input validation
- Participated in online coding challenges and contributed to open-source projects for learning and collaboration

Additional Skills

Soft Skills: Problem Solving, Team Collaboration, Technical Documentation

Methodologies: RESTful API Design, Microservices, Event-Driven Architecture,

Interests: System Design, Cloud Architecture, Performance Optimization, Open Source Contribution