RITIK SINGH

Software Development Engineer | Backend | Cloud | MERN | Go | DevOps

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Portfolio | GitHub | LinkedIn
New Delhi, India | Open to Relocation/Remote

PROFESSIONAL SUMMARY

Experienced Software Development Engineer with 2+ years of hands-on experience in backend development, cloud architecture, and DevOps. Proven track record of building scalable microservices using Node.js, Go, and MERN stack. Expertise in AWS cloud services, containerization with Docker, and CI/CD pipeline implementation. Strong background in both SQL and NoSQL databases with experience in high-availability system design.

TECHNICAL SKILLS

Programming Languages: JavaScript ES6+, Go, Java, TypeScript, SQL, HTML5, CSS3, Bash, C++

Frameworks & Libraries: React.js, Node.js, Express.js, Next.js, Spring Framework

Databases: PostgreSQL, MySQL, MongoDB, Redis, SQLite

Cloud & DevOps: AWS (EC2, S3, RDS), Docker, Jenkins, CI/CD, GitHub Actions, NGINX, Linux Ubuntu

Tools & Technologies: Git, GitHub, IntelliJ IDEA, Visual Studio Code, Consul, Retrofit, Volley

Architecture & Methodologies: RESTful APIs, Microservices Architecture, Agile Scrum, Test-Driven Development

PROFESSIONAL EXPERIENCE

Software Development Engineer

ActivityBeds LLC | New Delhi, India | **February 2025 – Present**

- Architected and developed scalable backend services using Node.js and Go, achieving 40% performance improvement
- Designed and optimized PostgreSQL, MySQL, MongoDB, and Redis database schemas for high-throughput applications
- Deployed applications on AWS EC2 instances and Linux VPS servers with 99.9% uptime
- Implemented automated CI/CD pipelines using Docker and GitHub Actions, reducing deployment time by 60%
- Built microservices-based architecture enabling independent service scaling and improved system reliability
- Led full-stack feature development from requirements analysis through production deployment

Software Developer

Infodia Technologies Pvt. Ltd. | Noida, India | **September 2023 – September 2024** *(Remote)*

- Developed responsive full-stack web applications using MERN stack (MongoDB, Express.js, React.js, Node.js)
- Integrated RESTful APIs connecting React frontend with Node.js backend and MongoDB database
- Containerized applications using Docker for consistent deployment across VPS environments
- Collaborated in Agile development cycles with code reviews, version control using Git, and continuous integration
- Optimized application performance resulting in 30% faster page load times

Android Development Intern

ThinkNEXT Technologies | Mohali, India | **June 2022 – September 2022**

- Built Android applications using Java and Kotlin with REST API integration
- Implemented responsive UI components using Activities, Fragments, and custom Android views
- Developed local data storage solutions using SQLite database
- Integrated network communication using Retrofit and Volley libraries for API consumption

EDUCATION

Bachelor of Technology in Computer Engineering

Chandigarh University | Punjab, India | **June 2024**

- **Relevant Coursework:** Data Structures and Algorithms, Object-Oriented Programming (Java/JavaScript), Software Engineering, Database Management Systems, Computer Networks, Operating Systems

KEY PROJECTS

CRM SaaS Platform

- **Technologies:** Node.js, Go, PostgreSQL, Redis, Docker, AWS
- Developed multi-tenant CRM solution with modular microservices architecture
- Implemented real-time analytics dashboard and role-based access control system
- Achieved scalable architecture supporting 1000+ concurrent users

Food Crave - Restaurant Discovery Platform

- **Technologies:** React.js, Node.js, MongoDB, Express.js
- Built comprehensive restaurant discovery web application with user authentication
- Integrated real-time order tracking system and secure payment gateway
- Implemented responsive design with mobile-first approach

Text Recognition Mobile Application

- **Technologies:** Java, Kotlin, Android SDK, OCR API
- Developed mobile application with image processing and Optical Character Recognition
- Implemented camera integration and text extraction functionality
- Optimized image processing algorithms for improved accuracy

DR.CODE Blog Platform

- **Technologies:** Java, JSP, MySQL, HTML/CSS, JavaScript
- Created dynamic blog platform with user authentication and content management
- Implemented search functionality and comment system with MySQL database
- Built responsive user interface with server-side rendering using JSP

Portfolio Website

- **Technologies:** Next.js, MongoDB, TypeScript, OpenAI API, NextAuth
- Developed personal portfolio website with modern tech stack
- Integrated AI-powered features using OpenAI API
- Implemented secure authentication system using NextAuth

CERTIFICATIONS

- **AWS Cloud Solutions Architect Specialization** – Coursera/AWS
- **Introduction to Cybersecurity Tools & Cyber Attacks** – IBM
- **Technical Support Fundamentals** – Google
- **Machine Learning** – Stanford Online

CORE COMPETENCIES

- End-to-End Software Development Lifecycle
- Microservices Architecture Design
- Cloud Infrastructure Management (AWS)
- Database Design and Optimization
- CI/CD Pipeline Implementation
- Cross-Functional Team Leadership
- Problem-Solving and System Debugging
- Agile/Scrum Methodologies
- Performance Optimization
- Security Best Practices