

VIJAYA KUMAR K

Hyderabad, India

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Professional Summary

Full-Stack Developer specializing in MERN stack with production experience building scalable web applications. Deployed networking platform on AWS with real-time chat serving 50+ concurrent users. Proven problem-solver with track record of resolving security vulnerabilities and optimizing system performance (90% server load reduction). Active contributor to GitHub with clean, well-documented code.

Technical Skills

Languages: JavaScript, Java, HTML, CSS, SQL
Frontend: React, Redux, React Router, Tailwind CSS, Bootstrap
Backend: Node.js, Express.js, Spring Boot, Hibernate/JPA
Databases: MongoDB, MySQL
Authentication: JWT, bcrypt
DevOps & Tools: AWS EC2, PM2, nginx, Git, GitHub, Postman, Maven
Real-Time: Socket.io, WebSocket

Projects

DevTinder — Professional Networking Platform | [Live Demo](#) | [Frontend](#) | [Backend](#)

- Designed and implemented RESTful APIs and real-time messaging architecture using Node.js, Express, MongoDB, and Socket.io serving real-time connections between users with 98% uptime on AWS infrastructure
- Engineered secure real-time chat system with Socket.io handling 50+ concurrent connections, implementing online status tracking, typing indicators, and message persistence with MongoDB
- Discovered and resolved critical security vulnerability in REST API that exposed unauthorized access to private chat history by implementing connection validation middleware across all endpoints
- Reduced socket event load by 90% through debounced typing indicators (1 event per session vs 50 events/second), significantly improving server performance and scalability
- Deployed on AWS EC2 with PM2 for process management and integrated Brevo for transactional email notifications (300 emails/day capacity)
- Tech Stack:** MongoDB, Express.js, React, Node.js, Socket.io, Redux, JWT, bcrypt, AWS EC2, PM2, Brevo API

Movie Review Web App | *Java, Spring Boot, MongoDB, REST API*

- Architected full-stack application with Spring Boot and MongoDB for movie reviews with CRUD operations
- Implemented RESTful APIs with validation, status codes, error handling, and comprehensive Postman testing to ensure entity relationship integrity
- Applied MVC architecture pattern with controller-service-repository layered design for maintainability

Professional Experience

IT Support Engineer – DAZN

Hyderabad, India | Mar 2024 – Present

- Investigate and troubleshoot production issues across streaming services and backend APIs using log analysis and system monitoring tools
- Analyze API requests, authentication flows, and subscription workflows to identify root causes and support issue resolution
- Collaborate with engineering teams to reproduce bugs in staging environments and validate fixes before deployment
- Document technical troubleshooting processes and contribute to knowledge base resources, improving resolution efficiency and reducing repeat incidents

Education

JNTUA College of Engineering Kalikiri

Bachelor of Technology in Mechanical Engineering

Sep 2018 – July 2022

Chittoor, Andhra Pradesh

Achievements

- * Active GitHub contributor maintaining multiple repositories with clean, well-documented code following industry best practices
- * Completed in-depth self-study of scalable architecture, microservices, distributed systems, and cloud-native design
- * Continuously expanding technical expertise in Docker, Kubernetes, CI/CD pipelines, and advanced AWS services