

M BALA GANESH

MERN Stack Developer

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PROFESSIONAL SUMMARY

Results-driven MERN Stack Developer with 2.8+ years of experience building and maintaining scalable, product-based web and mobile applications. Proficient in React.js, Node.js, Express.js, MongoDB, RESTful API design, JWT-based authentication, and AWS deployment. Skilled at delivering production-ready features, optimizing database performance, and ensuring application stability with minimal downtime. Experienced in Agile environments with a strong commitment to code quality, unit testing, and clean architecture.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Frontend: React.js, React Native

Backend: Node.js, Express.js, REST APIs

Databases: MongoDB, MySQL, PostgreSQL

Authentication: JWT, Role-Based Access Control (RBAC)

Cloud & DevOps: AWS EC2, PM2

Tools & Testing: Git, GitHub, Postman, Swagger, Jest

Operating System: Linux (Ubuntu, CentOS)

PROFESSIONAL EXPERIENCE

MERN Stack Developer

GAE Projects — Product-based Company, Chennai, India July 2023 – Present

- Developed and maintained a GST-based product application deployed across web and mobile platforms, serving multiple client organizations.
- Designed and built scalable RESTful APIs using Node.js and Express.js to support complex, real-world business workflows.
- Created responsive and dynamic user interfaces using React.js, improving usability and consistency across multiple business modules.
- Developed core backend modules including User Management, Roles and Permissions, Groups, GST, Sales Orders, Purchase Orders, Sales Bills, and Purchase Bills.
- Built master data modules including UOM, Tax Configuration, and Reports, significantly improving data accuracy and consistency across the platform.
- Optimized MongoDB schemas and queries, reducing average API response time by approximately 30%.
- Configured secure JWT-based authentication and Role-Based Access Control (RBAC) for fine-grained user authorization.
- Deployed backend services on AWS EC2 and managed production processes with PM2, ensuring zero-downtime deployments.
- Wrote and maintained unit tests using Jest, improving API reliability and minimizing regression defects.
- Diagnosed and resolved live production issues, enhancing API performance and maintaining overall application stability.

Linux Projects

- Configured a secure FTP server using vsftpd with SSL/TLS encryption for safe file transfers.
- Installed and configured an SMTP mail service using Postfix for internal email delivery.
- Created automated backup scripts using shell scripting and tar, scheduled via cron jobs.
- Managed Linux users, file permissions, and storage volumes in Ubuntu and CentOS environments.

EDUCATION

Bachelor of Engineering (B.E.)

SCAD College of Engineering and Technology, Tamil Nadu, India 2017 – 2021

CERTIFICATIONS

React Native Developer Certification — *Greens Technology*

Linux Administration Certification — *Besant Technologies*