

Muthu Krishnan

Full Stack Developer

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PROFESSIONAL SUMMARY

Junior Full Stack Developer with experience building enterprise web applications using Node.js, Next.js, PostgreSQL, GraphQL, gRPC, RabbitMQ, Redis, and microservices. Experienced in backend service development, API integration, and scalable distributed applications.

TECHNICAL SKILLS

Languages: JavaScript, Java, PHP, Lua
Frameworks & Libraries: Node.js, Express.js, Next.js, React.js
Databases & Caching: PostgreSQL, MongoDB, Redis
Tools & Technologies: RabbitMQ, gRPC, GraphQL, REST APIs, Microservices, Git, Linux, Postman

PROFESSIONAL EXPERIENCE

IntecAI

Remote / India

Junior Full Stack Developer

Mar 2026 – Present

Project: Enterprise E-Commerce Platform

- Developed and scaled backend services using Node.js within a robust microservices architecture.
- Implemented **RabbitMQ** to handle asynchronous event-driven communication between services, decoupling core modules and increasing system reliability.
- Integrated **Redis** for distributed caching and session management to mitigate repetitive PostgreSQL read operations on high-traffic endpoints.
- Engineered features across the core Master Service and Admin Service modules to support high-throughput operations.
- Maintained highly efficient REST BFF, GraphQL, and gRPC APIs, optimizing query execution plans in PostgreSQL to resolve database bottlenecks.
- Built modular, responsive frontend features using Next.js, improving client-side performance.

Project: Email SaaS Platform

- Developed scalable backend logic using PHP and engineered dynamic, high-performance frontend views using Next.js.
- Designed relational PostgreSQL database schemas and integrated reliable internal REST APIs.
- Delivered cross-functional, end-to-end features, reducing deployment friction across frontend and backend codebases.

PERSONAL PROJECTS

MERN Stack Social Media Application [Code](#)

MongoDB, Express.js, React, Node.js

- Built a responsive, full-stack social media web application featuring dynamic user timelines, post creation, and engagement interactions.
- Implemented custom stateless JWT authentication protocols and secure password hashing to protect client and server-side data endpoints.
- Designed and optimized structured RESTful API endpoints and MongoDB schemas for efficient data retrieval.

IDE Runtime Framework [Code](#)

Lua, Neovim API, Tree-sitter

- Architected a headless, customizable IDE environment using Neovim, native Lua scripts, and runtime modules.
- Implemented asynchronous Language Server Protocol (LSP) integrations and Tree-sitter configurations to enable ultra-fast code diagnostics and multi-language autocompletion interfaces.

EDUCATION

Bachelor of Computer Applications (BCA) St. Xavier's College, Tirunelveli

2022 – 2025