

Satheesh Kumar

Senior Full Stack Engineer (Laravel + React) | Performance Optimization, Distributed Systems, Team Leadership

Bengaluru, India

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Senior Full Stack Engineer with 8+ years of experience building scalable, high-performance applications using Laravel, React, Vue, Redis, RabbitMQ, MySQL, and PostgreSQL. Expert in API performance optimization (up to 80% improvement), large-scale data migrations (2M+ records), distributed queue processing, and cloud-ready architectures. Proven track record in designing complex backend workflows, leading engineering teams, and modernizing legacy stacks. Strong in system design, SQL optimization, caching strategies, and delivering enterprise-level products with clean, maintainable code.

PROFESSIONAL EXPERIENCE

iBridge, LLC,

Senior Software Developer to Lead Software Engineer - Full Stack

Bengaluru, KN

August 2022–Present

- Led the development of **ERP Avera School Management System (Laravel)**, integrating **5+ schools** and ensuring smooth performance with **high-volume student, fee, and academic data**.
- Integrated **2+ payment gateways** with account-wise transaction routing, reducing reconciliation time by **40%**.
- Led sprint **planning, workflow analysis**, and cross-functional team coordination, improving delivery predictability and boosting overall team productivity by **30%**.
- Designed a full workflow engine with **WhatsApp, SMS, and Email notifications** for events, billing, and receipts—improving parent communication by **60%**.
- Developed the **Metolius frontend (React)** with scalable architecture, reducing load time for large datasets by **35%**, and added middleware-driven request sanitization for enhanced cloud security.
- Optimized complex report generation (Excel & PDF), delivering **2x faster output** and improving administrative decision-making efficiency.
- Built the **IPE Project** in Laravel with **RabbitMQ-based async processing** and **WebSockets for real-time result updates**, enabling live AI progress tracking and reducing client wait time by **40%** through continuous Azure container data streaming.

Zeoner Tech.

Senior Software Engineer

Coimbatore, TN

July 2020–June 2022

- Engineered **Tracker (Laravel)** system with plate-based matrix & grid calculations, enabling accurate tracking for multiple lab test types, improving sample processing efficiency by 35%.
- Built complete lab workflow modules—sample collection, result entry, **analytics dashboards**, and **visual report charts**—reducing manual reporting time by 50%.
- Developed a mobile app (**REST API**) for doctors and lab technicians to instantly view test results, improving turnaround time and communication by 40%, Implemented automated **cron**-based lab notifications, ensuring real-time updates to lab managers and reducing missed workflows by 90%.
- Delivered **FirstCovid19Test (Laravel)** system including appointment booking for doctors & patients, PayPal payment integration, automated email receipts, slot booking mobile app (**REST API**), and on-time alert notifications—resulting in 60% faster appointment processing during peak demand.

MEQUALS Technologies

Software Developer

Coimbatore, TN

July 2018–August 2020

- Developed from scratch and maintained Medical Probook (**CodeIgniter**) with modules for Masters, Transactions, Sales, Billing, and Reports, improving operational efficiency for multiple client companies by 30%.
- Built transaction-safe billing and sales workflows that reduced manual errors by 40% and improved report generation speed by 50%.
- Engineered Theia Warehouse (**CodeIgniter**) system to manage client storage packages, stock levels, and automated transaction calculations, improving stock accuracy by 25%.
- Streamlined warehouse operations by implementing clear package tracking and inventory logic, enabling faster decision-making and reducing processing time by 20%.

Weblogics

Junior Web Design & Developer

Chennai, TN

July 2017–June 2018

- Improved performance of **5+ client websites** by reducing code bloat and compressing images, achieving 25–40% faster load speeds.
- Applied strong **SEO practices** that boosted organic visibility and increased traffic by 15–20%.
- Designed and developed responsive **frontend** interfaces for industry and portfolio websites, enhancing overall user experience.
- Built and customized a **WordPress** site for a soft-drink brand, adding blog and form-builder features that enabled 30% faster content updates.

ACHIEVEMENT

- Improved API response time from 3.1 sec to 620 ms on checkout flows by migrating heavy logic to queued jobs. and adding proper **database indexes** and result caching.
- Improved **backend** performance by 30%.
- Managed and mentored 3 junior developers, helping them ramp up on **React** and **TypeScript** best practices.
- Directly managed 2 full-stack developers and provided technical guidance to 3 additional team members.
- Improved mobile performance by 70% by converting heavy DataTables to server-side processing with Laravel Livewire.
- Migrated legacy **MySQL** database schema to **PostgreSQL** while maintaining full backward compatibility.
- Migrated frontend stack from **Blade + jQuery to Vue 3 + Inertia.js**, cutting bundle size by 68%.
- Migrated system from **PHP(Api)** to **NodeJs**.
- Managed end-to-end deployment processes, including Git branching, merging, and conflict resolution, ensuring **100% clean releases** and minimizing production downtime.

EDUCATION

COIMBATORE INSTITUTE OF TECHNOLOGY,

Bachelor of Computer Science.

Coimbatore, TN

2014 – 2017

KAVERY ENGINEERING COLLEGE

Diploma of Computer Science.

Salem, TN

2012 – 2014

ADDITIONAL SKILLS

- Performance engineering, Problem-solving, Linux shell & server management, Code review leadership.
- Database optimization, Queue-based architecture, Code quality, Scalability.