




# SARATHKUMAR K

## FULL STACK DEVELOPER

2/697, Periyar Salai, Nesavalur Nagar, Medavakkam - Chennai, TamilNadu

 sarathbala11@gmail.com

 +91 8148701681

 [Sarathkumar-K](#)

### SUMMARY

**Full Stack Developer with 2.9 years of hands-on experience** in building software products, enhancing, and maintaining web applications using **PHP frameworks such as Laravel and CodeIgniter**. Strong expertise in **MySQL database design and optimization** to ensure performance, scalability, and data integrity. Experienced in **developing REST APIs, AJAX-based features, and role-based modules**, along with effective debugging and performance tuning. A collaborative team player who delivers **clean, efficient, and scalable solutions** in fast-paced, agile environments.

### TECHNICAL SKILLS

**Back End** : PHP, Yii, Laravel, CodeIgnitor, Node JS

**Front End** : HTML, CSS, Bootstrap, Javascript, JQuery, Ajax, React JS

**Database** : MySQL, MongoDB

**Tools** : Git, REST APIs, Postman

### PROFESSIONAL EXPERIENCE

**Junior Software Developer at TalentHive, Chennai**

**January 2025 – Present**

**Junior Software Developer at ONEMODO TECHNOLOGIES, Chennai**

**June 2023 – January 2025**

### PROJECTS

**Junior Software Developer at TalentHive, Chennai**

**January 2025 – Present**

#### HRMS Product

**Apr 2025 - Till date**

Developed comprehensive HRMS + ERP application from scratch using PHP/Laravel and MySQL delivering integrated workforce and business management platform.

**Tool Used:** PHP 8.3, Laravel 11, Javascript, Bootstrap, JQuery, Ajax, MySQL, GitLab

#### Key Modules Built:

- **Dashboard:** Real-time analytics, metrics on : Employees, Clients, Vendors, Attendance, business performance overview (Quotations & Invoices)
- **Employees:**
  - Onboarding & Offboarding
  - Profile management – Personal Details, Compliance, Education, Experience, Family,
  - Miscellaneous, Bank, Salary, Advances and Documents

- **Attendance Management:** shift rostering, clock-in/out tracking
- **Leave Management:** Approval workflows, leave calculations, balance tracking
- **Quotation & Invoice:** Quotations, automated invoicing, payment tracking
- **Inventory Management:** Stock tracking, reorder alerts, vendor management,
- **Reports:** HR, Employees, Business reports – Vendor, Payments, Quotations Invoices etc
- **Common Settings:** System configuration, user roles, notification preferences
- **Role Based Access:** implemented RBAC based on the user profiles.
- **APIs:** Developed REST APIs for mobile app development.

## DB Optimization

Jan 2025 – Mar 2025

The client is from Engineering Industry and they had multiple in house developed **applications like – Accounting, HRMS and CRM**. Over the years of usage, the client faced severe performance (slowness) issues across the screens and reports in the applications.

**Tool Used:** PHP 7.3, Laravel 10, CodeIgniter 3&4, Javascript, Bootstrap, JQuery, Ajax, MySQL

### Roles and Responsibilities:

- Initiated a detailed study of the screens and reports where the slowness issues occurred.
- At code level, optimized JQuery and Ajax.
- Implemented pagination instead of data table in the UI.
- Migrated long queries to Multi JOINS in the code.
- Designed and implemented composite indexes on high-traffic tables and reducing query execution time to a larger extent of HRMS modules and Reports.
- Migrated from single-column to multi-column indexes, wherever required.

## Junior Software Developer at ONEMODO TECHNOLOGIES, Chennai

June 2023 – January 2025

**Tool Used:** PHP 7.3, Laravel, Yii, Javascript, Bootstrap, JQuery, Ajax, MySQL

### Roles and Responsibilities:

- Contributed to the development and enhancement of an existing **ERP-based Quarry Management System** supporting daily business operations.
- Designed and maintained **Accounting modules, handling ledgers, vouchers, payments, and financial transaction records**.
- Developed Incoming and Outgoing Invoice modules, ensuring accurate billing, tax calculations, and data consistency.
- Implemented Inventory management features to track stock movement, material inward/outward, and quantity reconciliation.
- Integrated third-party e-Invoice APIs to automate invoice generation, validation, and compliance with statutory requirements.
- Developed and integrated SMS notification services for invoice alerts, payment reminders, and operational updates.
- Worked with PHP frameworks (Laravel, Yii) to implement scalable and maintainable backend functionality.
- Optimized MySQL queries and database structure to improve application performance and reduce response time.
- Identified, debugged, and resolved production issues, improving system stability and user experience.
- Collaborated with senior developers and cross-functional teams in requirement analysis, code reviews, testing, and deployment.

## EDUCATION

### Master of Computer Applications (MCA)

2021 – 2023

NMC College of Arts Science, Trichy

### Bachelor of Science in Computer Science (B.Sc)

2018 – 2021

SVM College of Arts & Science, Salem

## INTERNSHIP & PROJECTS

### Web Development Intern - UNITED TECHNOLOGIES

Jan 2023 – March 2023

- Completed a 3-month sinternship focused on front-end web development using HTML, CSS, and JavaScript.
- Learned to create responsive, user-friendly web interfaces and gained hands-on experience in building static and dynamic web pages.
- Developed small modules and assisted in maintaining UI consistency across web platforms.
- Strengthened understanding of client-side scripting and layout optimization

### Final Year Project – Web-Based Milk Society Management System

Technologies: HTML, CSS, JavaScript, PHP, MySQL, WAMP

- Designed and developed a complete web application to manage daily operations of a milk society, including member registration, milk collection tracking, payment calculation, and report generation.
- Used PHP and MySQL for backend logic and database integration, ensuring secure data handling and accurate record-keeping.
- Implemented user roles (admin, members), login authentication, and dynamic dashboards for real-time data access.
- Focused on usability, database normalization, and error handling to ensure a smooth user experience.

## LANGUAGES

- Tamil
- English