

# DURAI RAVICHANDRAN

Full Stack Developer | Node.js & React Specialist | Legacy Modernization Expert  
+91 98656 43953 | durairavi1509@gmail.com | [LinkedIn](#) | [GitHub](#) | Chennai, India

## PROFESSIONAL SUMMARY

Backend-focused full-stack developer with **2.10 years of experience** engineering scalable web applications. Specialist in **migrating legacy PHP monoliths to modern Node.js & React microservices**. Proven track record of optimizing backend performance by **40%** and designing secure RESTful APIs. Adept at leveraging **AI-assisted development tools (Copilot/LLMs)** to accelerate code refactoring, unit testing, and documentation.

## TECHNICAL SKILLS

- **Backend:** Node.js, Express.js, PHP (Modern & Legacy), REST API Design.
- **Frontend:** React.js, JavaScript (ES6+), HTML5, CSS3, Bootstrap, jQuery.
- **Legacy Frameworks:** CodeIgniter, CakePHP (Expert in migration & refactoring).
- **Databases:** MySQL (Complex Queries/Indexing), MongoDB (Basic).
- **Tools & DevOps:** Git, GitHub, Postman, AWS (Basic), Docker.
- **Productivity:** AI-Assisted Dev (GitHub Copilot, ChatGPT for Refactoring & Testing).

## PROFESSIONAL EXPERIENCE

Techno Consulting Services | Software Developer Aug 2024 – Jan 2026 | Coimbatore, India

- **Legacy Migration (High Impact):** Led the strategic migration of the core logistics module from a legacy **CakePHP** monolith to a modern **Node.js (Express) & React** architecture, reducing server response time by **35%**.
- **Speed & Efficiency:** Leveraged **AI-driven coding tools** to automate the generation of unit tests (Jest) and boilerplate code, **reducing the development lifecycle by 20%**.
- **API Development:** Architected and deployed secure, scalable **RESTful APIs** for shipment tracking and routing, handling over **10,000+ daily API requests**.
- **Performance Optimization:** Refactored complex SQL queries and implemented database indexing strategies in MySQL, which improved report generation speed by **50%**.
- **Modern Frontend:** Built dynamic, responsive dashboards using **React.js** for real-time shipment monitoring.

**Globytex Technologies** | *Software Developer Mar 2023 – Aug 2024 | Cuddalore, India*

- **Core Project: Medzit (Healthcare CMS):** Developed a custom **Content Management System** using **PHP (CodeIgniter)** to manage hospital workflows.
- **Security & Access Control:** Implemented secure **Role-Based Access Control (RBAC)**, ensuring distinct access privileges for administrators, doctors, and staff.
- **Database Architecture:** Designed normalized MySQL schemas to support dynamic content modules, reducing data redundancy by **25%**.
- **Integration:** Integrated REST APIs for real-time appointment booking and automated SMS notifications.
- **Maintenance:** Resolved critical production bugs and optimized legacy code, ensuring 99.9% application uptime.

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## KEY PROJECTS

**Enterprise Logistics Management System (ARC Parcel Service)** *Tech Stack: Node.js, Express, React, MySQL*

- Built a comprehensive logistics platform managing the entire shipment lifecycle (Booking to Delivery).
- Developed a **Node.js backend** to handle real-time route optimization and vehicle tracking.
- Implemented **JWT (JSON Web Token)** authentication to secure API endpoints for drivers and admin users.

**Elistindia - Online Classifieds Marketplace** *Tech Stack: PHP, MySQL, JavaScript, HTML5/CSS3*

- **Architecture:** Engineered a scalable classifieds platform capable of handling thousands of listings.
- **Search Engine:** Built an optimized **search & filtering algorithm** using complex MySQL queries to find products by location, price, and category.
- **Performance:** Optimized frontend asset loading and server-side logic, achieving a **PageSpeed score of 90+**.

**Smart Job Portal (Personal Project)** *Tech Stack: Node.js, React, MongoDB, OpenAI API*

- Developed a full-stack job search application with real-time application tracking.
- **AI Integration:** Integrated **OpenAI API** to implement a "Smart Resume Matcher" that scores candidates against job descriptions automatically.

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## EDUCATION

**B.Sc. Physics** *Chikkanna Government Arts & Science College, Tiruppur, 2017–2020*