

# Praveen Kumar Reddy Lekkala

## Senior Software Engineer

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Experienced software developer with over 7 years in web development, specializing in Laravel, PHP (versions 5-8), and full-stack technologies. Proven expertise in creating scalable, secure, and high-performance applications across e-commerce, SaaS platforms, and API integrations. Skilled in RESTful API development, database management, and integrating third-party services such as AWS, Razorpay, Stripe, and CPaaS. Proficient in JavaScript, jQuery, AJAX, HTML, CSS, Bootstrap, Tailwind CSS, and Alpine.js, with hands-on experience in Docker, Git, GitHub, Bitbucket, and Livewire. A dedicated leader who excels in agile environments, mentoring junior developers, and delivering innovative solutions that enhance performance and user experience. Seeking new opportunities to leverage technical and leadership skills in dynamic web development projects.

## EXPERIENCE

### Senior Software Engineer

Bengaluru

*Eywa Media Innovations Pvt Ltd*

May, 2021 - Present

### PHP Developer

Visakhapatnam

*Satsyil IT Solutions India Pvt Ltd*

Jul, 2018 - May, 2021

## EDUCATION

### Bachelor of Technology in Electrical and Electronics Engineering

Gudur

*Audishankara Institute of Technology affiliated to JNTU Anantapur*

Aug, 2015 - Apr, 2018

## PROJECTS

### CPaaS SaaS Platform

**Role:** Full-stack Developer

#### Project Description:

Developed a robust SaaS platform specializing in CPaaS (Communications Platform as a Service) that enables businesses to communicate seamlessly across multiple channels, including SMS, Email, WhatsApp, voice, and RCS (Rich Communication Services). This platform includes comprehensive APIs for message sending, flow builder integration for custom communication workflows, and a Session Oriented Internet Protocol (SOIP) integration for voice services, enhancing cross-channel engagement capabilities.

#### Technologies, Languages, and Processes:

Laravel 9, Livewire, WireUI, Tailwind CSS, MySQL, Alpine.js

#### Responsibilities:

- SaaS Development:** Led the design and implementation of a scalable, multi-channel communication platform, facilitating customer engagement through SMS, Email, WhatsApp, Voice, and RCS.
- API Development and Integration:** Built and integrated RESTful APIs for reliable and high-performance message delivery across communication channels, ensuring seamless sending and receiving capabilities.
- Flow Builder Integration:** Developed an intuitive flow builder feature to enable users to create and automate custom communication workflows easily.
- SOIP Integration:** Implemented Session Oriented Internet Protocol (SOIP) for voice communication, expanding the platform's communication functionalities.
- Testing and Optimization:** Performed comprehensive testing to ensure high availability and performance, optimizing the messaging system for varied load conditions.
- Documentation and Client Support:** Developed in-depth documentation for API usage and supported client teams during the integration process.

This platform empowers businesses to enhance customer engagement by streamlining their communication strategies, providing a versatile solution for seamless, multi-channel interactions.

## Learning Management System (LMS Dashboard)

**Role:** Full-stack Developer

### Project Description:

The LMS (Learning Management System) is an online educational platform developed for colleges, enabling students to access courses, watch video lectures, track their progress, and complete exams. The platform manages three types of users: students, teachers, and admins, each with dedicated features. Students can view courses and track their video watch history, teachers can upload content and create exams, and admins oversee the system with comprehensive analytics and reporting tools. The application also integrates features for managing user data and monitoring engagement metrics.

### Technologies, Languages, and Processes:

PHP CodeIgniter, MySQL, Bootstrap, CSS, HTML, JavaScript, jQuery, Ajax.

### Responsibilities:

- Developed the entire application structure using PHP CodeIgniter.
- Designed and implemented models, views, and controllers for user roles and core functionalities.
- Created role-based access control for Students, Teachers, and Admins, with distinct feature sets.
- Enabled real-time video watch history tracking and integrated exam functionalities.
- Used Bootstrap and custom CSS to enhance user interface and experience.
- Designed and optimized MySQL database schemas for data storage, including tracking and reporting.
- Integrated AJAX for asynchronous data loading, improving application performance.
- Performed unit and integration testing, preparing test cases to ensure module reliability.
- Collaborated closely with clients to align on project updates, requirements, and short- and long-term goals.

The platform securely stores all data, including video watch history and exam results, to provide a seamless, integrated learning experience for students while giving teachers and administrators the tools they need to manage and assess student performance effectively.

## E-commerce Platforms (Sathya, iPlanet, Playbrush, and BEA)

**Role:** Full-stack Developer

### Project Description:

Developed robust and scalable e-commerce platforms (Sathya, iPlanet, Playbrush, and BEA) using Laravel (versions 5 and 7) to deliver efficient online retail solutions. Each platform offers a distinct product range, including electronics, mobile accessories, oral care solutions, and health and beauty items, catering to diverse customer needs:

- Sathya: specializes in home appliances and mobile devices, offering a wide selection of quality tech products for a seamless online shopping experience.
- iPlanet: Specializes in iPhone and Apple gadgets, offering a curated catalog exclusively for Apple enthusiasts seeking the latest in iPhone accessories and Apple products.
- Playbrush: specializes in innovative toothbrushes for children and Adults combining fun and technology to encourage healthy dental habits.
- BEA: Specializes in home appliances and mobile devices, offering a wide selection of quality tech products for a seamless online shopping experience.

The platforms are built on Laravel to manage key backend functions, including product listings, inventory management, and user authentication, with integrated APIs for real-time inventory updates and order tracking.

### Technologies, Languages, and Processes:

Laravel 5 & 7, jQuery, AJAX, MySQL, Razorpay, Stripe, PayPal, Paytm, Bootstrap.

### Responsibilities:

- Laravel E-commerce Development: Built and integrated e-commerce functionalities on the Laravel framework, ensuring scalability and efficiency across all platforms.
- API Integration: Implemented APIs for real-time inventory and order tracking to provide seamless functionality and enhance user experience.
- Payment Gateway Integration: Integrated multiple payment options, including Razorpay, Stripe, PayPal, and Paytm, to offer secure and flexible payment methods for customers.
- Database Design and Optimization: Structured and optimized MySQL databases for efficient management of product data, user profiles, and transaction histories.
- jQuery and AJAX Integration: Leveraged jQuery and AJAX to enable dynamic user interactions and improve front-end responsiveness.
- Testing and Quality Assurance: Conducted unit and integration testing to ensure high reliability and consistent performance across all e-commerce platforms.

- Stakeholder Collaboration and Documentation: Worked closely with stakeholders to align on requirements, provide updates, and document APIs and system architecture for streamlined development and troubleshooting.

Through these contributions, each e-commerce platform offers a seamless shopping experience, ensuring secure transactions, efficient order management, and improved performance and scalability powered by Laravel.

## EmaCare

**Role:** Developer

### Project Description:

Miacare is a healthcare application designed to monitor patient vitals and provide comprehensive health analyses. The application acts as a bridge between Miacare and various health-monitoring devices, such as M-fit, Sleepace, and Movesense Aura, which collect user health information. Miacare also manages critical event alerts, including falls, SOS calls, and bedwetting incidents, recorded by the connected devices. The platform includes features for adding and editing resident profiles, as well as managing device assignments and staff member allocations.

### Technologies, Languages, and Processes:

PHP Laravel, MySQL, Material UI, CSS, HTML, JavaScript, jQuery.

### Responsibilities:

- Developed the application using the PHP Laravel framework to ensure a robust backend.
- Implemented the Model-View-Controller (MVC) architecture for organized code structure.
- Integrated AJAX functionality using jQuery to enhance user interactions and provide a dynamic user experience.
- Utilized Material CSS for an improved user interface design.
- Designed and defined database objects, including tables and views, using MySQL for efficient data management.
- Accessed REST APIs to retrieve and manage data from connected devices.
- Conducted client-side and server-side validations to ensure data integrity.
- Created comprehensive test cases for all application modules and performed unit and integration testing to ensure quality.
- Collaborated closely with clients to provide regular project updates and align on both short-term and long-term goals.

Through these efforts, I contributed to building a powerful healthcare application that enhances patient monitoring and improves overall health management.

## Sapient Shopping

**Role:** Junior Developer

### Project Description:

Islanddivers is a content-driven website built on the WordPress CMS, showcasing the brand's offerings, including dive classes, travel services, rental gear, and the sale of used diving equipment. The site presents this information effectively through a visually appealing and responsive design, achieved by utilizing various plugins and creating custom templates for the travel and class sections.

### Technologies, Languages, and Processes:

PHP, WordPress, HTML, CSS, JavaScript, WordPress Plugins

### Responsibilities:

- Assisted in application development using WordPress, focusing on building a cohesive website structure by managing posts, categories, and pages.
- Worked with WordPress widgets and themes to enhance both functionality and visual appeal of the site.
- Implemented AJAX functionality using jQuery to enable dynamic content updates for an improved user experience.
- Utilized jQuery UI and third-party widgets to enhance the user interface, ensuring seamless interactions.
- Conducted client-side and server-side validations to maintain data integrity throughout the application.

Through these contributions, I helped create an engaging and user-friendly platform for Islanddivers, supporting its mission to provide quality diving services and information.

## Islanddivers-shop

**Role:** Junior Developer

### Project Description:

Islanddivers-shop is an e-commerce website built on the PrestaShop CMS, specializing in diving-related products such as masks, BCDs, and regulators. The platform features a comprehensive admin panel for product management, module configuration, and localization settings, encompassing standard e-commerce functionalities alongside unique features.

To enhance product browsing, the site employs a Solr-powered search engine, allowing users to search by category or keyword.

Advanced artificial intelligence enriches the user experience by providing interactive search capabilities tailored to user input. Special

product attributes facilitate advanced filtering, enabling users to compare items seamlessly across multiple categories. The integration of Amazon products through the Amazon Advertising API allows the display of additional offers, while media is delivered via Amazon CloudFront. Payments are securely processed using Authorize.net, and the website is designed to be fully responsive for optimal performance across devices.

**Technologies, Languages, and Processes:**

PHP, PrestaShop, MySQL, jQuery, jQuery UI, AJAX, HTML, CSS, Amazon Advertising API, Solr, Prolog.

**Responsibilities:**

- Assisted in developing the application using PrestaShop and implemented the MVC architecture to ensure organized code structure.
- Integrated AJAX functionality with jQuery for dynamic content updates, improving the overall user experience.
- Designed and defined database objects, including tables and views, using MySQL for efficient data management.
- Conducted client-side and server-side validations to maintain data integrity throughout the application.
- Prepared test cases for unit and integration testing to ensure application reliability.
- Collaborated closely with the client to provide regular project updates and align on short-term and long-term goals.

Through these contributions, I played a role in developing a feature-rich e-commerce platform that enhances the shopping experience for diving enthusiasts.

**SKILLS**

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Languages: PHP, HTML, CSS, JavaScript, Frameworks & Libraries: Laravel, CodeIgniter, jQuery, AJAX, Bootstrap, Tailwind CSS, Content Management Systems: WordPress, PrestaShop, Databases: Mysql, MongoDB, Tools: Git, Docker, AWS, Composer, Nginx, Apache, Payment Gateways: Razorpay, Stripe, Paytm, PayPal, Cloud Platforms & Communication APIs: AWS SES, RESTful APIs, CPaaS platforms (SMS, Voice, Email, VIR

**LANGUAGE**

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English, Telugu, Tamil