VIR BHADRA PANT

SENIOR FULL STACK PHP DEVELOPER | CODEIGNITER 3 & 4 SPECIALIST | CORE PHP | REST APIs | MYSQL | JS

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PROFESSIONAL SUMMARY

Senior Full Stack PHP Developer with 9+ years of professional experience in Core PHP, MVC architecture, CodeIgniter 3, CodeIgniter 4, MySQL and RESTful API development. Strong hands-on experience building, maintaining and modernizing production business applications, ERP platforms, administration systems and API-driven solutions. Experienced in integrating software with RFID, GPS and IoT devices, including device registration, telemetry, attendance, tracking and device-health workflows. Full-stack capability across JavaScript, jQuery, AJAX, HTML5, CSS3, Bootstrap and React.js, with additional experience in Laravel, Next.js and Node.js. Proven experience in legacy application troubleshooting, database optimization, production support, secure API development, deployment and end-to-end feature ownership. Progressed from PHP Developer responsibilities to Project Leader-level ownership.

CORE TECHNICAL SKILLS

PHP & Backend: Core PHP, OOP, PHP 7.x/8.x, CodeIgniter 3, CodeIgniter 4, MVC, reusable components, validation, authentication, authorization, session management

API & Integration: RESTful APIs, JSON, XML, API authentication, webhooks, third-party integrations, mobile/API integration, IoT/device APIs, Postman

Database: MySQL, relational database design, normalization, joins, subqueries, indexing, query optimization, transactions, migrations, reporting

Frontend: JavaScript, jQuery, AJAX, HTML5, CSS3, Bootstrap, responsive interfaces, API-driven dashboards

IoT & Hardware: RFID attendance, GPS tracking, student ID tracking, device registration, device authentication, device status, battery percentage, battery voltage, telemetry

Development Tools: Git, Composer, Postman, Apache, cPanel, Linux hosting environments, Cron Jobs, HTTPS

Engineering: Legacy-system maintenance, modernization, debugging, performance optimization, security practices, production support, requirement analysis, technical documentation

PROFESSIONAL EXPERIENCE

Fizzy Realty Homes and Search Pvt. Ltd. | *Senior PHP Developer → Project Leader* | *2017 – Present*

Progressed from hands-on PHP development into project-level ownership, working across application development, APIs, databases, integrations, production support and delivery coordination.

- Design, develop and maintain production web applications using Core PHP, CodeIgniter 3, CodeIgniter 4, MySQL and JavaScript-based frontend technologies.
- Build and maintain RESTful APIs for web applications, mobile applications, external services and connected devices.
- Work extensively with existing/legacy CodeIgniter applications: analyse unfamiliar codebases, identify root causes, implement safe enhancements and modernize modules without disrupting business workflows.
- Design relational database structures, complex SQL queries, joins, indexes and reporting logic; troubleshoot and optimize database-driven applications.
- Develop responsive administration panels and business interfaces using JavaScript, jQuery, AJAX, HTML5, CSS3 and Bootstrap, with React.js for modern API-driven interfaces.
- Integrate third-party services and APIs and implement server-side validation, authentication, authorization and secure request-processing workflows.
- Handle application configuration, Git workflows, Composer/NPM dependencies, deployment, production troubleshooting and ongoing application support.
- Analyse business requirements, break work into technical tasks, estimate implementation effort and coordinate delivery with team members and stakeholders.
- As Project Leader, take ownership of modules from requirement analysis and technical design through development, testing, release and production support.

Airson Software Solutions | *PHP Developer / Marketing Associate* | *2017 – 2018*

Developed and maintained PHP/MySQL web applications and supported technical implementation, application enhancements, debugging and business requirements.

- Worked with Core PHP, MySQL, HTML, CSS and JavaScript on database-driven applications.

- Implemented application enhancements, bug fixes and production support.
- Participated in requirement discussions and technical problem solving.

Learning Links Foundation | *PHP Coordinator* | *2016 – 2017*

Developed and maintained PHP-based applications and internal systems, supported database-driven development and coordinated technical troubleshooting with stakeholders.

- Worked with Core PHP, MySQL, HTML, CSS and JavaScript on database-driven applications.
- Implemented application enhancements, bug fixes and production support.
- Participated in requirement discussions and technical problem solving.

SELECTED PROJECT EXPERIENCE

School ERP & Smart School Management Platform | *PHP, CodeIgniter, MySQL, JavaScript, REST APIs, React/Android integrations*

- Designed and developed an integrated school-management platform covering student management, staff management, attendance, fees, examinations, communication, reporting and administration.
- Integrated physical RFID/GPS devices with the ERP through backend APIs and device-management workflows.
- Developed parent/admin-facing application interfaces and API-driven workflows for attendance, notifications and tracking.
- Designed database structures and application workflows for schools, branches, students, devices, attendance and related operational records.

RFID Attendance & IoT Device Platform | *PHP, CodeIgniter, MySQL, REST APIs, RFID/IoT*

- Developed APIs for receiving RFID/tag information and device telemetry from connected hardware.
- Designed device registration, identification, activation and authentication workflows.
- Implemented device status and health monitoring, including battery percentage and battery voltage visibility.
- Processed device-generated timestamps and integrated device data into attendance and ERP workflows.
- Worked on secure device-to-server communication, request validation and operational troubleshooting.

GPS Student ID Card / Tracking Platform | *PHP, CodeIgniter, MySQL, REST APIs, GPS/IoT*

- Designed backend workflows for GPS-enabled student ID card tracking and device-to-student mapping.
- Developed services for receiving and processing location/device information.
- Implemented device status, connectivity and battery monitoring concepts for operational visibility.
- Supported tracking-related APIs and data structures for parent/admin applications.

Business & Real Estate Web Applications | *Core PHP, CodeIgniter, MySQL, JavaScript, jQuery, Bootstrap*

- Developed and maintained database-driven business applications and administrative modules.
- Implemented search, filtering, data-management, reporting and business workflow functionality.
- Worked on enhancements, integrations, production debugging and application maintenance.

ARCHITECTURE & ENGINEERING EXPERIENCE

- MVC-based application architecture and modular PHP development.
- API-first integration between web applications, mobile applications and physical devices.
- Legacy CodeIgniter 3 maintenance and incremental migration/modernization toward CodeIgniter 4 and newer application patterns.
- Database and query optimization for production applications.
- Production debugging involving routing, sessions, database connectivity, API failures, server configuration and application-level errors.
- Secure application development using validation, authentication, authorization, controlled API access and HTTPS.
- End-to-end ownership: requirement analysis → database/API design → implementation → testing → deployment → support.

LEADERSHIP & PROFESSIONAL STRENGTHS

- Strong problem-solving and root-cause analysis.
- Comfortable taking ownership of modules and production issues.
- Able to understand and work efficiently in large or unfamiliar legacy codebases.
- Requirement analysis, technical planning and stakeholder communication.
- Team coordination, task planning and delivery support.
- Practical, business-oriented approach to software development.

EDUCATION

Bachelor of Engineering (B.E.) — Completed 2014

TARGET POSITIONS

Senior Full Stack PHP Developer | Senior PHP Developer | Senior CodeIgniter Developer | PHP/CodeIgniter Full Stack Engineer | Backend PHP Developer | PHP Technical Lead | Senior Web Application Developer