

Jayakumar S

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SUMMARY

Results-driven Software Developer with 2.4 years of experience in building and maintaining production-grade web applications using PHP (CodeIgniter) and Python (Flask), specializing in healthcare, HRMS, and enterprise systems.

WORK EXPERIENCE

Software Developer Oct 2023 – Present

AaNine Healthcare Solutions Pvt. Ltd.

- Designed, developed, and maintained large-scale healthcare and enterprise web applications including TheHub Portal (HRMS & operations), eAuthoraiz (authorization management), and FINTRACK (invoice management).
- Built backend systems using PHP (CodeIgniter) and Python (Flask) to support complex business workflows such as HRMS operations, pre-authorization, and financial approvals.
- Developed and optimized SQL/MySQL databases, implementing efficient queries, data validation, and performance tuning for high-volume transactional systems.
- Implemented role-based access control, multi-level approval workflows, and real-time dashboards to support operational, financial, and executive decision-making.
- Created RESTful APIs and integrated third-party services to enable automation, reporting, and data exchange across multiple modules.
- Developed a Python-based Chrome Extension to automate internal workflows and enhance productivity by integrating browser-level actions with backend services.
- Customized and extended WordPress websites through theme and plugin development to support healthcare business requirements and performance optimization.
- Managed live server deployments and production environments, ensuring application security, high availability, and stability through proactive monitoring, debugging, testing, and rapid issue resolution.

PROJECTS

eAuthoraiz – Healthcare Authorization System [Live Application](#)

- Developed a Python Flask-based healthcare authorization platform for managing pre-scrubbing, order processing, and insurance validation workflows.
- Implemented Orders and Pre-Scrubbing modules with advanced filtering by date range, submission type (Manual, Fax, API, EDI), and real-time search.
- Built dynamic dashboards displaying patient, provider, insurance, and authorization status with NPI, CPT, and insurance validation indicators.

FINTRACK – Invoice Management Portal [Link to Demo](#)

- Developed a comprehensive invoice management system using the PHP CodeIgniter framework for handling client invoicing and financial workflows.

- Implemented role-based approval workflows including Business Team Review, Invoice Team Review, CEO Approval, Billing Approval, and CFO Review.
- Designed modules for invoice generation, status tracking, monthly client-wise invoicing, and automated approval status updates.
- Enabled export functionalities such as Excel export, PDF invoice generation, and ZIP file downloads for bulk invoice handling.
- Built dashboards displaying invoice amounts, received amounts, discounts, pending balances, and document attachment status.

TheHub Portal – Enterprise HRMS & Healthcare Operations Platform [Link to Demo](#)

- Designed and developed a centralized enterprise web application using the PHP CodeIgniter framework to manage HR, healthcare operations, and organizational workflows.
- Implemented comprehensive HRMS modules including employee information management, attendance tracking, leave management, training modules, and interview candidate lifecycle tracking.
- Built healthcare-specific operational modules supporting ACO (Accountable Care Organization) and MSO (Management Services Organization) processes for internal tracking and reporting.
- Integrated Quiz Craft and assessment modules to support employee training, evaluation, and skill development initiatives.
- Created real-time dashboards, role-based access control, and automated email notification systems to improve operational efficiency and decision-making.

AaNine Healthcare – Website [Link to Demo](#)

- Developed a responsive healthcare website showcasing services and contact information with optimized performance and intuitive navigation.

Powerhealth ACO – Website [Link to Demo](#)

- Built a healthcare-focused website emphasizing accessibility, clarity of services, and improved user engagement.

EDUCATION

2021 - 2023 MCA (Master of Computer Applications), **Periyar University**
2018 - 2021 B.Sc. (Computer Science), **SIASC, Thiruvalluvar University**

(GPA: 8.4/10.0)
(GPA: 8.3/10.0)

SKILLS

- **Frontend Technologies** JavaScript, jQuery, AJAX – Experienced in building dynamic, responsive user interfaces and handling asynchronous client-side interactions.
- **Backend Development** PHP (CodeIgniter), Python (Flask) – Proficient in developing scalable server-side applications, RESTful APIs, and role-based business logic.
- **Database Management** MySQL, SQL – Strong expertise in database design, complex queries, data integrity, and performance optimization.
- **CMS Development** WordPress – Experienced in custom theme development, plugin customization, and performance-focused website optimization.
- **Web Technologies** HTML5, CSS3, Bootstrap – Skilled in creating clean, accessible, and mobile-friendly web layouts.
- **Additional Technologies** Basic working knowledge of React.js and Node.js with understanding of modern frontend and backend concepts.