



GOWRI SHANKAR AK

Full Stack Web Developer

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Education

Bachelor of Engineering - Computer Science and Engineering

CGPA - 7.8

2016 – 2020

Paavai Engineering College,
Namakkal.

Skills

Frontend Development: HTML5, CSS3, Bootstrap, JavaScript, jQuery, React & Vue (Basics)

Backend Development & Frameworks: Core PHP, Laravel, CakePHP, WordPress, REST API Development, MVC Architecture

Database: MySQL (Schema design, queries, optimization), Doctrine ORM

Version Control & Workflow: Git, Bitbucket, CLI usage, Agile collaboration

Cloud & DevOps: AWS (Basic – EC2, S3), Docker (Worked in Dockerized environments)

CMS & Customization: WordPress Theme, Plugin Development, WooCommerce, Elementor

Tools & Utilities: XAMPP, Postman, Visual Studio Code, phpMyAdmin, Chrome DevTools

Additional Technical Expertise: Debugging, Performance Optimization, Cross-browser Compatibility, API Integration, Deployment Support

Experienced Full Stack Developer with 5+ years of expertise in building and maintaining dynamic web applications. Skilled in creating scalable backend systems and user-friendly front-end interfaces, with a focus on problem-solving and delivering high-quality solutions. Motivated to continuously improve and leverage modern technologies to tackle complex challenges.

Work Experience

Senior Programmer | Soft Solutions4U | Chennai
05/2020 - Present

Payrex: Integrated and managed online payment solutions, optimizing checkout processes and ensuring secure transactions.

Tech Stack - PHP, MySQL, Doctrine ORM, jQuery, Vue, Git, Bitbucket, AWS, Docker, Payrex API (REST), Redis

2022-2025

- **Bug Fixing and Hotfixes:** Delivered critical bug fixes and hotfixes across application modules, ensuring system stability and minimizing production downtime.
- **Code Refactoring:** Refactored user handling by migrating functionalities to a service-based architecture, enhancing modularity and code maintainability.
- **E-Invoice ZUGFeRD XML Implementation:** Successfully implemented ZUGFeRD XML format for e-invoicing, ensuring compliance with electronic invoicing standards and facilitating seamless integration with financial systems.
- **Package and Dependency Updates:** Managed updates and maintained critical package dependencies, including Monolog, ensuring the system remained up-to-date with industry standards.
- **Localization and Multisite Support:** Resolved language-related bugs in multisite setups, improving platform-wide localization and ensuring consistency across regions.
- **Continuous Integration (CI) Improvements:**
 - Separated Docker build and deploy steps, optimizing the CI pipeline for faster and more reliable releases.
 - Integrated SonarCloud for automated code quality analysis and PHP-Unit for unit testing within the Continuous Delivery Environment (CDE).

Certifications

SPOKEN TUTORIAL - IIT BOMBAY

C, Advanced CPP, Python

SKILL TRAINING IN TECHNOLOGY AND SOFT SKILLS by ICT ACADEMY

Languages

- English
- Tamil

- **Payment Service Provider (PSP) Integrations:**
 - Troubleshooted and resolved PSP-related issues, ensuring seamless merchant payment processing.
 - Integrated APIs for various PSPs, expanding payment options.
- **Backend Optimization:** Optimized database queries and improved API response times, resulting in enhanced performance and reduced latency.
- **Architectural Optimization:** Enhanced frontend exception handling, improving system robustness, error traceability, and overall user experience.
- **Production Support and Monitoring:** Provided real-time production support, diagnosing and fixing issues promptly to minimize system downtime.
- **Collaboration and Code Quality:** Actively participated in peer code reviews, maintaining high coding standards and contributing to team-wide best practices.

ViviApp - Viviapp is a backend application used by Vivi Kola in Switzerland to manage the Billing, CRM and Production

Tech Stack - CakePHP, HTML, CSS, jQuery, JS, MySQL, Git, Bitbucket, AWS

2020 - 2022

- **Billing Management Module:** Developed and maintained the Billing Management module, enabling efficient tracking of invoices, payments, and transactions.
- **Pricing and Integration:** Implemented a special pricing concept for pallet crates and integrated Abacus for unique ID management in operations.
- **Production Counter:** Designed and implemented a Production Counter feature to track daily production data, manage raw material inventory, and built a custom UI for seamless interaction.
- **Google Calendar Integration:** Integrated the Google Calendar API to develop an Appointment Module, enabling direct scheduling into Google Calendar for users.
- **Swiss Rounding Implementation:** Worked on complex Swiss rounding logic for invoice calculations, ensuring precise and compliant financial reporting
- **Customer Data Export:** Developed functionality for customer data export, generating XML files with detailed invoice information for Abacus integration.
- **CakePHP Migration Support:** Supported migration from CakePHP 3.6 to 4.4 by identifying and fixing compatibility issues, deprecated functions, and runtime bugs during the transition phase.

Vivi Kola - Wordpress, WooCommerce, Elementor PHP, MySQL

- **Backend Development & Design Implementation:** Customized and enhanced the Vivi Kola WordPress website by improving user experience, functionality, and collaborating with design and development teams to create custom page layouts and designs that aligned with the brand's identity.