

AMAL K S

Software Engineer

+91 8943709653 • amalkadayathu@gmail.com • [linkedin.com/in/amal-k-s](https://www.linkedin.com/in/amal-k-s) • Kochi, Kerala, India

Summary

Software Engineer with 2.5+ years of experience in designing, developing, and maintaining scalable web applications. Proficient in **PHP** for backend development and **React.js** and **Vue.js** for building responsive, user-centric frontends. Hands-on experience with **Python** for scripting, automation, and backend logic. Strong understanding of **RESTful APIs**, **MVC architecture**, **database design**, and **performance optimization**. Experienced in collaborating with cross-functional teams, writing clean and maintainable code, and delivering high-quality solutions in agile environments.

Experience

Innovature Software LabsKochi
Software Engineer07/2024 - Present

- Developed scalable full-stack applications using Laravel, Vue.js and React.js.
- Built multi-tenant workforce and employee management systems handling millions of daily records.
- Optimized backend for high-performance APIs with response times under 1 second.
- Delivered multi-language, WCAG 2.1 AA-compliant web applications, including Arabic RTL support.
- Deployed and maintained applications on AWS (ECS, RDS, S3, SES, CloudWatch) for reliable and scalable infrastructure.

Innovature Software LabsKochi
Associate Software Engineer07/2023 - 07/2024

- Joined as a fresher and contributed to full-stack development projects
- Built a CMS-integrated event reservation system enabling smooth booking
- Developed a full-featured e-commerce platform (learning project), gaining experience in PostgreSQL, Web Socket, Laravel and React

Education

Nirmala CollegeMuvattupuzha
Master of Computer Applications (MCA)08/2021 - 07/2023

Baselios Poulouse Second CollegePiramadom
Bachelor of Computer Applications (BCA)07/2018 - 04/2021

Skills

Languages: PHP • JavaScript • Python • SQL • Laravel • Django • Vue.js • React.js • Inertia.js • REST APIs

Database & Data Tools: MySQL • PostgreSQL • SQLite • Excel

Cloud, DevOps & Tools: AWS • S3 • RDS • EC2 • ECS • CodePipeline • CloudWatch • SES • SendGrid • Jenkins • Git • GitHub • GitLab • SonarQube • Docker • Linux • Vercel • WebSockets • JAWS • NVDA • Axe • Lighthouse • Accessibility Insights

Projects

Multi-Tenant Workforce Planning Platform10/2025 - Present

Developed a backend-focused workforce planning system using **Laravel** with a **Domain-Driven Design (DDD)** architecture. Built core modules for workforce management and budgeting to support a **multi-tenant platform** handling **50,000+ employees**.

- Achieved **API response times under 1 second** through optimized queries and domain logic.
- Delivered a clean and maintainable DDD-based backend architecture.
- Successfully supported large-scale workforce data across multiple tenants.

Web Accessibility Compliance04/2025 - 09/2025

Ensured a **Vue web application with multi-language support (including Arabic)** complied with **WCAG 2.1 AA standards** using **JAWS, NVDA, and Accessibility Insights**. Conducted accessibility audits for **keyboard navigation, screen reader support, and color contrast compliance** across all languages.

- Achieved full WCAG 2.1 AA compliance across all supported languages.
- Ensured keyboard navigation and screen reader support worked for both LTR and RTL (Arabic) layouts.
- Verified proper color contrast and readability for multi-language UI.
- Improved inclusive user experience for differently abled users across languages.

Projects

Workforce Attendance & Compliance System02/2024 - 03/2025

Developed a high-scale workforce management system using **Laravel and Vue.js** to process large volumes of attendance data. Implemented overtime calculation, automated email alerts, reporting features, and data integration from **CSV files and GraphQL APIs**

- Successfully processed two million attendance records daily in less than 15 minutes with high accuracy and reliability.
- Automated overtime detection and email notifications, reducing manual tracking efforts.
- Improved work-hour reporting efficiency and compliance monitoring.

E-Commerce Platform11/2023 - 01/2024

Developed a full-stack e-commerce app using Django/React with core features: product catalog, shopping cart, secure payments, notifications, mailing, CMS. Built scalable backend with PostgreSQL, enabling real-time updates with Web Socket.

- Developed product listings, cart, payment integration, notifications, mailing system and CMS features.
- Delivered a fully functional e-commerce platform with end-to-end purchase flow.
- Enabled real-time notifications using Web Socket for better user engagement.
- Implemented secure and reliable payment processing.

Training / Courses

AWS Certified Developer Associate -Udemy

Key Achievements

High-Scale Data Processing Developed workforce system processing 2M daily attendance records in 15 minutes.	Workforce System Developed a workforce system handling 50,000+ employees with sub-second API responses.	Accessibility Compliance Achieved full WCAG 2.1 AA compliance for a multi-language, accessible web app.
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Languages

English Proficient ●●●●●	Malayalam Native ●●●●●	Hindi Intermediate ●●●●●
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