

SATHEEZ VETTIVEL

Lead Software Engineer | AI-Augmented Systems

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PROFESSIONAL SUMMARY

Lead-oriented Senior Software Engineer with 10+ years of experience designing scalable backend systems, cloud-native applications, APIs, and analytics platforms. Strong background across PHP/Laravel, Node.js/TypeScript, databases, AWS, Docker, CI/CD, and production delivery. 5+ years of architecture ownership across backend and cloud-native systems, with proven experience mentoring developers and translating complex product requirements into reliable, maintainable software. Actively applying AI-assisted engineering workflows and local LLM exploration to improve development quality, productivity, and technical decision-making.

SELECTED ACHIEVEMENTS

- 10+ years building production software across backend, full-stack, mobile, and cloud environments.
- 5+ years of architecture ownership across backend and cloud-native systems.
- Led migration and modernization work toward microservices and modular backend services.
- Designed and supported APIs serving 10,000+ users.
- Mentored 5+ developers through code reviews, technical guidance, and delivery support.
- Delivered systems for enterprise and product teams across multiple business domains.
- Implemented CI/CD workflows and deployment practices that improved release consistency.

CORE COMPETENCIES

Backend Engineering: PHP, Laravel, Node.js, TypeScript, Python, REST APIs, Microservices

Databases & Messaging: MySQL, PostgreSQL, MongoDB, Redis, RabbitMQ

Cloud & DevOps: AWS, Docker, CI/CD, DigitalOcean, production deployments

Frontend & Mobile: JavaScript, Angular, Vue, React, Swift, SwiftUI, UIKit, Flutter

AI-Assisted Engineering: AI workflows, local LLMs, Ollama, prompt engineering, developer automation

Leadership: Architecture ownership, mentoring, code reviews, technical planning, stakeholder collaboration

PROFESSIONAL EXPERIENCE

Senior Software Engineer - EFutures

Colombo, Sri Lanka | May 2018 - Present

- Lead backend architecture and delivery for scalable production systems, analytics platforms, and cloud-native applications serving enterprise and product teams across multiple business domains.
- Architect and maintain REST APIs, service integrations, and data workflows across PHP/Laravel, Node.js/TypeScript, MySQL, PostgreSQL, AWS, Docker, RabbitMQ, and CI/CD environments.
- Led migration and modernization initiatives toward microservices and modular backend services, improving maintainability, deployment reliability, and long-term scalability.
- Designed and supported APIs serving 10,000+ users, with focus on performance, reliability, observability, and clean integration contracts.
- Mentored 5+ developers through code reviews, architectural guidance, delivery planning, debugging support, and clean engineering practices.
- Partner with product teams and stakeholders to convert complex requirements into practical, reliable technical solutions without sacrificing quality or maintainability.
- Apply AI-assisted engineering workflows and local LLM experimentation to improve development speed, code review quality, technical documentation, and problem analysis.

Software Engineer - Inqbaytor

Colombo, Sri Lanka | Mar 2017 - May 2018

- Developed and maintained full-stack web applications using PHP, Laravel, Angular, MySQL, and PostgreSQL.
- Designed database structures, implemented API-centric application modules, and improved maintainability across evolving product requirements.
- Handled application deployments and production workflows on DigitalOcean environments while collaborating directly with stakeholders on solution requirements.

Software Developer - eLogic Lanka

Colombo, Sri Lanka | May 2014 - Feb 2017

- Built cross-platform software solutions across web and mobile ecosystems using JavaScript, TypeScript, Swift, C#, and related frameworks.
- Implemented native iOS interfaces with UIKit and contributed to production-ready features through Agile development cycles.

- Strengthened code quality through structured implementation, testing support, and collaborative delivery practices.

Production Associate - Innodata

Colombo, Sri Lanka | Sep 2013 - May 2014

- Performed digital content conversion, structured formatting, and data processing using HTML, CSS, and XML within Agile delivery environments.
- Ensured accuracy, consistency, and timely execution of enterprise data workflows while building early foundations in quality-driven delivery.

SELECTED PROJECTS

Tuniri (Personal) - Lead Engineer, 2025 - Present

Offline-first children's learning platform for ages 2-6 with adaptive phonics, interactive stories, pet companion progression, zero tracking, local-first architecture, and local AES-256 encryption.

Tech: Flutter, Dart, SQLite

UnifyUnits (Personal) - Creator / Developer, 2024 - Present

Fast online unit converter supporting instant conversions across 9 categories and 100+ units with a lightweight, modern web stack.

Tech: Astro, React, TypeScript

Ahum (Work) - Backend Developer, 2022 - Present

Mental health marketplace and B2B wellness platform supporting intelligent matching between users and licensed therapists.

Tech: PHP, Laravel, Microservices, RabbitMQ

Walkingspree (Work) - Backend Developer, 2018 - 2022

Enterprise wellness platform with activity tracking, team challenges, and health resources for thousands of corporate users.

Tech: PHP, Drupal, MySQL, AWS

Singue (Work) - Backend Developer, 2024 - Present

Netherlands-based wellness platform using gamification, rewards, step tracking, and interactive challenges to encourage physical activity.

Tech: Node.js, TypeScript, MySQL

Hemfixarna (Work) - iOS Developer, 2023 - Present

Sweden home-services platform connecting users with certified professionals for furniture assembly, technical support, and handyman tasks.

Tech: Swift, SwiftUI, iOS

OPEN SOURCE

- **Laravel API Response** - Author & Maintainer. Composer package providing a consistent JSON API response layer for Laravel applications, reducing boilerplate and standardising response/error handling.
- **Laravel Settings** - Author & Maintainer. Database-backed Laravel settings package with helper functions, migration/config publishing, caching, encryption options, and Composer distribution.

AI-ASSISTED ENGINEERING PRACTICES

Uses AI-assisted engineering workflows to support code review, debugging, documentation, architecture analysis, and productivity. Exploring local LLM workflows with Ollama and open-source models, with practical interest in prompt engineering, MCP-based tooling, and AI-driven developer automation.

LEADERSHIP & MENTORSHIP

- Mentored 5+ developers through code reviews, technical guidance, debugging support, and practical engineering standards.
- Led architecture discussions, backend planning, API design, integration decisions, and delivery coordination for production systems.
- Collaborated with product, QA, design, and stakeholder teams to deliver reliable software with clear technical trade-offs.

EDUCATION

Bachelor of Computer Applications (BCA), Bangalore University, India - 2013