

# KASUN SAMPATH ARIYARATHNA

**Senior Software Engineer** | Sri Lanka | +94 77 384 2820 | kasun961224@gmail.com

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

## PROFESSIONAL SUMMARY

Senior Software Engineer with over 5 years of professional software development experience and 7+ years within the IT industry. Highly proficient in designing, developing, and maintaining scalable web applications and complex backend systems. Expert in full-stack ecosystems, including PHP/Laravel and JavaScript frameworks (Vue/React), with a specialized focus on RESTful API architecture and secure software development practices. Proven ability to lead development cycles, collaborate across multi-disciplinary teams, and deliver high-quality solutions aligned with business strategies.

## TECHNICAL SKILLS

- **Languages & Frameworks:** PHP (Laravel, WordPress), JavaScript (ES6+, Vue.js, React.js), Python, Java, HTML5, CSS3, Bootstrap.
- **Architecture & APIs:** RESTful APIs, Microservices, MVC Architecture, Browser Extensions (Manifest V3), JSON, Data Integration & ETL.
- **Data Science, ML & Analytics:** Business Intelligence (BI), Geo-Spatial Analytics, Genomic Data Analysis (Bioinformatics), Machine Learning Modeling, Kaggle.
- **Database Management:** MySQL, PostgreSQL, SQLite, NoSQL (Administration & Query Optimization).
- **DevOps & Infrastructure:** Linux Expertise (Bash Scripting, ACL, Automation), AWS (Cloud), CI/CD Pipelines (GitHub Actions, GitLab), SSH.
- **Cybersecurity:** Web Vulnerability Assessment, Defensive Programming, Network Security, Burp Suite, Metasploit, SIEM Tools.
- **Collaboration & Workflow:** Git, GitHub, Jira, Atlassian, Agile/Scrum Methodologies.

## PROFESSIONAL EXPERIENCE

**Senior Software Engineer** | Epit Global (Pvt) Ltd

*Apr 2024 – Present*

- **Spearhead the development** of large-scale web applications, ensuring technical alignment with business and client requirements.
- **Architect and implement** scalable backend services using PHP/Laravel and RESTful API structures.

- **Drive system architecture decisions**, conduct comprehensive code reviews, and execute performance optimizations to ensure software quality.
- **Collaborate with product, QA, and DevOps teams** to deliver secure and maintainable software solutions in agile environments.
- **Manage cloud-based deployments** and CI/CD pipelines within Linux and AWS environments.

#### **Full Stack Web Developer | Yogeemedia (Pvt) Ltd**

*Oct 2020 – Jan 2024*

- **Engineered and maintained** multiple production-grade web applications for diverse international clients.
- **Translated UI/UX designs and mockups** into responsive, high-performance web interfaces using modern frontend frameworks.
- **Developed robust backend systems** utilizing PHP, MySQL, and RESTful APIs to handle complex data operations.
- **Enhanced application security**, performance, and long-term maintainability through meticulous refactoring and strategy.
- **Collaborated with stakeholders** on project planning, feature estimation, and execution of product delivery.

#### **Web Developer | Global EMS (Pvt) Ltd**

*Jan 2020 – Jul 2020*

- **Developed company web applications** by converting technical mockups into functional web presences.
- **Utilized PHP, MySQL, and JavaScript (jQuery)** to implement backend and frontend enhancements.

#### **IT Officer | Susipvan Higher Education (Pvt) Ltd**

*Nov 2017 – Jan 2020*

- **Managed enterprise IT infrastructure**, internal software applications, and network operations.
- **Oversaw hardware and software networking technologies** within an enterprise environment.

### **EDUCATION**

- **BSc (Hons) in Software Engineering (Top-Up)** | Cardiff Metropolitan University (UK) via ICBT
  - o *Second Class Upper Division* | Graduated 2026
- **Higher National Diploma in Information Technology** | SLIATE

- *Specialized in Web Application Development* | Graduated 2022
- **G.C.E. Advanced Level (Physical Science Stream)** | Bandaranayaka College, Gampaha
  - *Passed* | Completed 2017

## CERTIFICATIONS

- **Google Cybersecurity Professional Certificate** | Coursera
- **Python Bootcamp with Data Science & Machine Learning** | Udemy
- **JavaScript Algorithms and Data Structures** | freeCodeCamp

## PROFESSIONAL INTERESTS

- **Secure Software Engineering:** Deep interest in the evolving cybersecurity landscape and defensive programming.
- **Mindful Productivity:** Inspired by Buddhist philosophy to maintain meticulous focus and a calm approach in high-pressure environments.
- **Continuous Learning:** Dedicated to mastering emerging technologies and specialized fields like Data Science and Machine Learning.
- **Wellness & Travel:** Committed to proactive healthcare, fitness, and exploring new cultures through travel.