

Akila Madhushanka

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PROFESSIONAL SUMMARY

Self-taught, results-driven Software Engineer with over 7 years of hands-on professional experience (since 2019) in full-stack development. Proven expertise in building robust web and desktop applications using Laravel, React, and TypeScript. Adept at delivering complete commercial solutions, from complex ERP systems to AI-optimized eCommerce platforms, with a strong focus on scalable backend architecture and intuitive frontend UI/UX.

TECHNICAL SKILLS

- **Programming Languages:** PHP, JavaScript (ES6+), TypeScript, GO, PYTHON, HTML5, CSS3, SQL
- **Frameworks & Libraries:** Laravel, NEXT.JS, NUXTJS, FASTAPI, React, Tailwind CSS, shadcn/ui
- **Tools & Architecture:** Git, MySQL, MVC Architecture, RESTful APIs, Eloquent ORM, Web Security (CSRF)

PROJECTS

NexCashier — POS & Business Management Desktop Software

Commercial Project

Full-Stack Developer | Electron, React, TypeScript, MySQL

- Developed a complete POS platform for retail businesses featuring sales, inventory, purchasing, customer, supplier, and reporting modules.
- Designed reusable UI components and modular backend services, optimizing database operations for intensive daily business usage.

Complete ERP Business Management Web System (Siriwardan and Sons)

Client Project

Full-Stack Developer | Laravel, React, TypeScript, MySQL

- Developed a comprehensive ERP platform for Sri Lankan retail businesses including HRM, Repair, Marketing, and Sales modules.
- Engineered optimized application workflows and designed modular, reusable full-stack components.

Staff Work Schedule Management System (Kuwait Airport)

Client Project

Full-Stack Developer | Laravel, React, TypeScript, MySQL

- Developed a complete staff management platform for airport operations, featuring automated flight schedule uploads and processing.
- Engineered a comprehensive staff attendance management module to accurately track and monitor employee work shifts.
- Designed an interactive staff scheduling and allocation interface utilizing a custom drag-and-drop editor for seamless workforce management.

NexCommerce365 — Complete eCommerce Store

Commercial Project

Full-Stack Developer | Laravel, React, TypeScript, MySQL

- Architected and developed a full-featured eCommerce platform to handle end-to-end online retail operations.
- Integrated advanced AI-powered automated SEO, AIO, and GEO optimization features to maximize search visibility and regional targeting.
- Implemented a custom-coded Internet Payment Gateway (IPG) to ensure secure and seamless transaction processing.

- Built a dedicated, robust admin control panel enabling comprehensive management of all website content, products, and user data.

Vision Grameen Micro Credit (PVT) Ltd Corporate Website

Client Project

Full-Stack Developer | Laravel, React, TypeScript, MySQL

- Developed a dynamic, professional corporate website tailored for the micro-credit financial sector in Sri Lanka.
- Engineered a custom drag-and-drop content editor, allowing non-technical administrators to easily build and modify page layouts.
- Integrated advanced SEO and AIO optimization capabilities to enhance digital presence and organic search rankings.
- Created a fully-featured dedicated admin panel for streamlined content management and operational oversight.

Hej Eko Stad Corporate Website

Client Project

Full-Stack Developer | Laravel, React, TypeScript, MySQL

- Delivered a responsive and professional corporate website tailored to the specific business requirements of a Swedish enterprise.
- Incorporated advanced SEO and AIO optimization techniques to improve visibility across European search markets.
- Developed a comprehensive, dedicated admin panel allowing the client total control over website content and configuration.
- Ensured cross-browser compatibility and optimized performance for a seamless user experience.

EDUCATION & EXPERIENCE

Self-Taught Software Engineer & Full-Stack Developer

2015 – Present

- Self-studying computer science, logic, and software development methodologies since 2015.
- Working professionally in the Software Engineering industry since 2019, delivering highly technical commercial and client projects.

CERTIFICATIONS

- **FreeCodeCamp:** Responsive Web Design (v8 & v9), JavaScript Algorithms and Data Structures (v7 & v8), Foundational C# with Microsoft
- **University of Moratuwa:** Python for Beginners