

Chathura J Ekanayake

Software Engineer / Lead Web Developer

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PROFILE

Dynamic and detail-oriented software engineer with 10+ years of experience in full-stack development, AI Automations, WordPress engineering, and system administration. I am known for strong interpersonal skills, adaptability, and leadership in collaborative development environments. Adept at translating business needs into robust digital solutions with a passion for emerging technologies and scalable architectures.

WORK EXPERIENCE

LEAD WEB DEVELOPER, CODE94 LABS

February 2022 - Present

Remote - Sri Lanka

Lead Web Developer (Jan 2024 – Present)

- Leading a team of developers, managing project timelines, deliverables, and technical direction and responsible for project analysis, system architecture design, and technical research to support scalable web solutions.
- Integrated external APIs into the WordPress ecosystem and implemented workflow automation using Zapier. Oversaw complex WordPress customizations, ensuring seamless performance across projects.
- Developed and enforced coding standards and best practices, improving code quality, maintainability, and team efficiency across multiple projects.

Senior Web Developer (Feb 2023 – Dec 2023)

- Customized Elementor and developed advanced WordPress themes and plugins tailored to client needs and Handled API integrations and supported backend enhancements within the WordPress ecosystem.
- Conducted project analysis and feasibility studies to propose optimized technical solutions.
- Collaborated closely with designers and stakeholders to translate UI/UX requirements into high-quality, responsive, and scalable web interfaces.

Web Developer (Feb 2022 – Jan 2023)

- Gained practical experience in full-stack TypeScript development by helping build a complete MERN stack food catering system (MongoDB, Express.js, React, Node.js).
- Contributed to debugging, testing, and performance improvements across various client projects.

ASSOCIATE SOFTWARE ENGINEER, TERRATECMA (PVT) LTD

August 2021 - February 2022

Remote - Norway

- Full-stack development with Django and Laravel. Built custom modules and optimized SQL queries.
- Gained hands-on experience in WordPress plugin development and Deepened knowledge of the WordPress ecosystem and its advanced features.
- Built a school management system from scratch using the Laravel framework and Worked across both backend and front end, contributing to system architecture and performance improvements.
- Implemented automated testing and debugging workflows to enhance code reliability and reduce regression issues across multiple projects.

SOFTWARE ENGINEER INTERN, YOMBOC

March 2021 - August 2022

Remote - Sri Lanka (Thissa Jananayake)

- Hands-on experience with Django, Firebase, and cross-platform integration.
- Developed and integrated an online learning platform for Mr. Thissa Jananayake's Sipsuru online classes. (Customized a Moodle-based system to meet specific educational requirements.)
- Gained initial exposure to WordPress development and design during the internship. And became familiar with the WordPress ecosystem and best practices and Worked with Elementor to build and design WordPress websites

SOFTWARE & WEB DEVELOPER, FREELANCE

January 2010 - Present

- Developed websites and systems across various sectors, specializing in WordPress, plugin development, and server deployments.
- Built advanced AI automation workflows using n8n and Make.com and Created a WordPress auto-publishing system integrated with ChatGPT API for content creation, image generation, SEO optimization, drafting, and publishing.
- Used Python (FastAPI) and JavaScript to implement advanced backend logic in automation workflows.
- I continuously experimented with different automation techniques and tools and I studied blockchain development as part of a university project.
- Delivered 50+ freelance WordPress projects under my own brand, Digitix365.

EDUCATION

BSc. (Hons.) in Information Technology Specialization in Cyber Security
Sri Lanka Institute of Information Technology

Sep 2020 - Dec 2024

GCE Advanced Level: Physical Science Stream
Dharmaraja College - Kandy

2018

PROJECTS

[View All](#)

Melody Mint – Blockchain-Powered Music Investment Platform

Melody Mint is a decentralized platform designed to connect music artists directly with investors using blockchain technology. The project leverages smart contracts, a FastAPI backend, and a React-based frontend to facilitate secure, transparent, and global investment in musical talent. Artists can showcase their work and receive funding, while investors can diversify their portfolios and earn from royalties. This reduces reliance on intermediaries and ensures fair compensation through automated royalty distribution.

- **Smart Contracts:** [View GitHub](#)
 - Developed and deployed Solidity smart contracts using Hardhat on the Ethereum testnet.
 - Implemented logic for royalty distribution, investment tracking, and project ownership.
 - Used Ethers.js to integrate contracts with the frontend.
- **Backend (API Layer):** [View GitHub](#)
 - Built RESTful APIs with FastAPI for user management, project tracking, and transaction history.
 - Integrated PostgreSQL for structured data storage and used SQLAlchemy for ORM.
 - Handled wallet authentication and on-chain interaction endpoints.
- **Frontend:** [View GitHub](#)
 - Created a responsive, user-friendly interface with React.js and Vite.
 - Implemented wallet connection (MetaMask integration), investment dashboards, and artist profiles.
 - Utilized React Hooks, Axios, and Context API for state and data flow management.

SaferNet – AI-Powered URL & Domain Safety Platform

[View GitHub](#)

A full-stack, AI-driven cybersecurity tool designed to detect, classify, and manage malicious domains and URLs in real time. SaferNet provides a programmable interface for organizations and developers to integrate domain safety checks into their applications or infrastructure, enabling proactive threat detection, custom list management, and integration with DNS-level filtering tools like Pi-Hole.

- Developed a real-time web safety solution leveraging machine learning to classify internet domains and URLs as safe or malicious.
- Designed and deployed a RESTful API using FastAPI, supporting safety prediction, blacklisting, whitelisting, and domain status checks.
- Built a robust feature extraction pipeline combining WHOIS data, DNS/IP lookups, geolocation, TLD analysis, and regex-based string analysis.
- Trained and deployed a scikit-learn model to perform probabilistic safety classification from extracted domain features.
- Integrated a trained scikit-learn model (model.pkl) for predictive inference, enabling automated and manual threat mitigation.
- Ensured configurable deployment with .env and config.ini support and provided clear API documentation and example payloads in Jupyter notebooks.

Adhyathmika Bhikshun – Custom WordPress Admin Plugin

[View GitHub](#)

A modular WordPress plugin designed to enhance the administrative experience for the Adhyathmika Bhikshun website, integrating advanced content management tools and third-party platform sync capabilities.

- Built a feature-rich plugin that extends native WordPress admin functionality with custom post ordering, language switching, and admin dashboard widgets.
- Implemented Airtable integration to sync WordPress content with a remote Airtable base, featuring a real-time sync status dashboard.
- Developed dynamic admin tools including configurable settings panels, custom notices, and user-friendly content organization interfaces.
- Structured plugin into modular components (includes/, pages/, assets/, tools/) to ensure maintainability and ease of customization.
- Created clean and efficient UI/UX within the WordPress admin using custom CSS/JS for a seamless experience.

WordPress Projects

[View All](#)

This projects includes various WordPress sites I have developed, focusing on custom themes and plugins. Each site is tailored to meet specific client needs, utilizing the power of WordPress to create dynamic and responsive web experiences.

- **Karmo Website:** Custom WordPress solutions featuring external database integration, dynamic data handling, and real-time location-based filtering for car rental services.
- **Coach Camacho Website:** Professional multi-language WordPress website built with Elementor, focusing on clean design and user-friendly experience as per client requirements.
- **Likuid Spaces Website:** Professional and modern WordPress website for a premium co-working space, designed with a unique and engaging style using Elementor.
- **Norwegian Institute Official Website:** I developed this website for an institute offering advanced education in health and sports medicine. The website was created using WordPress and Elementor to provide a professional and informative platform for prospective students.
- **Gapstars Official Website:** I developed this website for a company that builds and scales remote software development teams for European tech companies. This website was built using WordPress and Elementor to connect with businesses looking to expand their engineering capabilities.

TECHNICAL SKILLS

Backend Development & Automation

Node.js, Express.js, Next.js, Django, Laravel, FastAPI, n8n, Make.com, NestJs

Databases & Data Tools

MySQL, MongoDB, Firebase, SQL, Redis

CMS & WordPress Development

WordPress, Elementor, Custom Plugin Development, Gutenberg, REST API Integration, WordPress Hooks (Actions & Filters)

Programming Languages

Java, JavaScript, Python, C, C++, Solidity, PHP

Machine Learning

TensorFlow, Scikit-Learn

Web Development

TypeScript, React (MERN), Bootstrap, Material UI, Tailwind CSS

DevOps, Deployment & Containerization

Linux/Unix CLI, Docker, Apache, Nginx, Vercel, Digital Ocean, GitHub Actions, Cron Jobs

Awards

[View All](#)

Java Fundamentals - Oracle Academy

May 2013

- **Covered object-oriented programming**, core Java libraries, and basic application development.
- **Practical assignments included** building small console applications in Java.

Certificate in Office Application

2011

- Mastered Microsoft Word, Excel, PowerPoint, and Access.
- Focused on documentation, data management, and presentation skills.

SLT Digitastic – Digital Lifestyle Expo - STEMUp Educational Foundation

November 2019

- Represented STEMUp at the 2019 event.
- Engaged in public outreach and STEM education initiatives.
- Also participated in the 2018 edition.

14th Young Computer Scientist Competition (YCSC) - Ministry Of Edu.

2015

- Won 4th place (Senior Category) across Sri Lanka.
- Project: Library Management Software 2.0 (Advanced) using Java.
- Features included multi-user login, book tracking, and reporting.

SOFT SKILLS

- Team Work
- Leadership
- Adaptability
- Problem Solving
- Communication Skills

LANGUAGES

INTERESTS

- Sinhala
- English
- Travelling
- Camping
- Photography
- Gaming

VOLUNTEERING

- General Volunteer General Volunteer (**STEMUp Educational Foundation**)
- Team Lead - Cyber Security for Kids (**STEMUP Educational Foundation**)

REFEREES

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