

# CHATHURA J EKANAYAKE

Software Engineer / Lead Web Developer

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

**Languages:** English, Sinhala

## PROFILE

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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.

## PROFESSIONAL EXPERIENCE

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### Code94 Labs – Lead Web Developer

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.

#### 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.

#### 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.

## **Terratecma – Associate Software Engineer** 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.

## **Yomboc – Software Engineer Intern**

March 2021 – August 2021

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

## **Freelance – Software & Web Developer**

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 30+ freelance WordPress projects under my own brand, **Digitix365**.

## **EDUCATION**

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**BSc (Hons) in Information Technology (Cyber Security Specialization)** SLIIT – *Undergraduate*

**GCE Advanced Level – Physical Science with ICT** – Dharmaraja College, Kandy (2018)

**GCE Ordinary Level** – Kandy Model School (2014)

# PROJECTS

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## Melody Mint

### Blockchain-Powered Music Investment Platform

- A decentralized platform that connects music artists directly with investors, enabling secure, transparent funding through blockchain technology. Built using Solidity smart contracts for trustless transactions, FastAPI for backend services, and a React.js-based frontend for dynamic user interaction. Melody Mint streamlines royalty distribution and project funding while ensuring global accessibility and fair compensation for creators.

**Tech Stack:** Solidity, FastAPI (Python), React.js, JavaScript, HTML/CSS

**GitHub:** [Smart Contracts](#) | [Backend](#) | [Frontend](#)

## SaferNet

### AI-Powered URL Safety Detection

- Developed an AI model, **SaferNet**, that analyzes and detects malicious URLs. The model assesses URLs for safety, leveraging machine learning techniques for accurate threat detection.
  - **SaferNet Chrome Extension:** Sends URLs to the SaferNet server for real-time analysis. [SaferNet AI Model](#) | [SaferNet Chrome Extension](#)
  - **Pi-hole Custom Proxy:** Integrates with Pi-hole to block malicious URLs detected across the entire network, providing a network-wide safety solution.

## WordPress Development Projects

- I've worked on custom WordPress projects, including e-commerce, database integrations, and real-time data processing. My expertise includes themes/plugin customization, API integrations, performance optimization, and tools like ACF to enhance functionality. I focus on seamless user experiences, fast loading speeds, and dynamic features that meet client goals.
  - **karmo.co**
    - Integrated an external database with WordPress using a custom plugin, storing data in ACF fields and enabling real-time product filtering.
  - **coachcamacho.no**
    - Designed a fully customized WordPress site with multi-language support, focusing on responsive design and easy navigation for a global audience.
  - **remanagement.co**
    - Developed a fully customized WordPress website for RE Management, a property management company specializing in comprehensive rental property services.

**Link to Projects Portfolio:** [WordPress Projects](#)

## TECHNICAL SKILLS

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### Programming Languages:

JavaScript, TypeScript, PHP, Java, C, Solidity

### Frameworks / Machine Learning:

TensorFlow, Scikit-Learn

### CMS / WordPress Development:

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

### Server, DevOps & Deployment:

AWS, Docker, CI/CD (GitHub Action), Terraform, Linux/Unix CLI, Apache, Nginx, Vercel, Digital Ocean, Redis, Cron Jobs

### Project & Team Collaboration:

Git, GitHub, Jira, Trello, Click-Up, Asana, Slack, Discord

### Design & Productivity Tools:

Figma, Canva, Microsoft Office Suite

### Backend Development & Automation:

NodeJS, ExpressJS, Laravel, Rest API, Django, Fast API, n8n, Make.com

### Databases & Data Tools:

MySQL, MongoDB, Firebase, PostgreSQL

### Frontend Development:

React, NextJs, VueJs, HTML, CSS, Tailwind CSS, Framer Motion, Bootstrap, Material UI

### Development Tools:

Git & GitHub, VS Code, Jira, Figma (Basic), Postman, Chrome DevTools, VS Code Debugger, Swagger, Markdown, Notion, Click-Up

### Security Practices:

SSL/TLS Configuration, Firewall Setup, Vulnerability Scanning (Nmap, Nikto)

## SOFT SKILLS

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- Teamwork
- Leadership
- Team Management
- Resources Management
- Adaptability
- Problem Solving
- Project Management
- Project Research and Analysis

## AWARDS & CERTIFICATIONS

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› Certification: **Java Fundamentals** (Issuing: Oracle Academy)

May 2013 – No Expiration Date

› Certification: **Certificate in Office Application** (Course issued by Ministry of Education)

2011 – No Expiration Date

› Award: **SLT Digitastic – Digital Lifestyle Expo** | Location: BMICH | Date: November 2019

- Participated in the 2019 event as a **STEMUp Volunteer**.
- Also participated in the **2018 edition** held on **2nd November 2019**.

**Issued by:** STEMUp Educational Foundation

› Award: **Edinext – New Innovation Competition** | Location: Ranabima Royal College | Date: October 2017

- Presented an innovation at the Edinext competition organized by the Ministry of Education.

**Issued by:** Ministry of Education – Central Province

› Award: **14th Young Computer Scientist Competition (YCSC)** | Location: Sri Lanka | Date: 2015

- **All Island Special Merit (4th Place)** – Senior Category
- Project: *Library Management Software 2.0 (Advanced)* | Language: **Java**

**Issued by:** Ministry of Education & YCSC Sri Lanka

› Award: **13th Young Computer Scientist Competition (YCSC)** | Location: Sri Lanka | Date: 2014

- **3rd Place – Junior Category**
- Project: *Library Management Software* | Language: **Java**

**Issued by:** Ministry of Education & YCSC Sri Lanka

› Award: **12th Young Computer Scientist Competition (YCSC)** | Location: Sri Lanka | Date: 2013

- **All Island Merit Award – Junior Category**
- Project: *Simple Area and Perimeter Calculation Software* | Language: **Java**

**Issued by:** Ministry of Education & YCSC Sri Lanka

› Award: **Best Student and Top Catechist** | Location: India | Date: 2012

- Recognized by Oracle Education Foundation's Think Quest (India)

**Issued by:** Oracle Education Foundation (Think Quest)

› Award: **Education Pavilion – INFOTAL Exhibition** | Location: BMICH | Date: 2nd–5th December 2011

- Participated as an **Exhibitor**

**Issued by:** Ministry of Education – Sri Lanka

› Award: **School Education Software Group Project – Provincial Competition** | Location: Sri Lanka | Date: 2011

- **Merit Award** under Microsoft Sri Lanka's Partner in Learning Program
- Project: *Teaching Program about Artificial and Organic Food*
- Role: **Code Writer** | Language: **Visual Basic 6.0**

**Issued by:** Ministry of Education & Microsoft Sri Lanka

## VOLUNTEER

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### Team Lead – Cyber Security for Kids

STEMUP Educational Foundation

May 2023 – Present · 2 yrs

- Manage and lead a team of volunteers to conduct sessions island-wide.
- Conduct **Cyber Security for Kids** sessions and awareness programs in schools and libraries.
- Coordinate and manage awareness programs across Sri Lanka.

### General Volunteer

STEMUp Educational Foundation

Oct 2017 – May 2023 · 5 yrs 8 months.

- 100 Days, 100 Schools Project
- PICTEC –CP Session Library
- Micro-bit Session

## REFEREES

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### Ms. R.M Champa Rathnayake

Instructor at PICTEC

Central Province

Sri Lanka

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### Mr. H.M.I.J Herath

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