




MALINGA BANDARA


SOFTWARE ENGINEER

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Full-stack software engineer with strong foundations in Laravel, Vue.js, and Nuxt.js, now expanding expertise into Prompt Engineering and AI automation. Passionate about designing intelligent, user-aligned prompts for language models, informed by a unique background in psychology, cognitive science, and personal development. Actively deepening knowledge through Harvard's CS50, and AI certifications focused on critical thinking and LLM design. Committed to merging technology with human understanding to create impactful, growth-oriented software and AI experiences

WORK EXPERIENCE

Associate Software Engineer

AIO-ITSolutions(Pvt) Ltd Nov 2024 – Present

- Engaged in full-stack development, focusing on building scalable and maintainable applications. Gained hands-on experience with Nuxt, Vue.js, and Laravel, implementing best practices in software architecture, and Agile methodologies. Collaborated with cross-functional teams (PMs, designers, and QA) to deliver high-quality software solutions. Built upon expertise gained from a **6-month industrial training program**
- (Apr 2024 – Oct 2024), focusing on clean coding, SOLID principles, and modern full-stack development.

Trainee Software Engineer (Full-Stack)

Appsdept (Pvt) Ltd Mar2024–Sep2024

- Worked on full-stack development projects, contributing to both front-end and back-end development.
- Developed applications using Laravel, Vue.js, MySQL, and integrated Git for version control.
- Worked in an Agile development environment using tools like Jira and Docker.
- Worked in a Fedora-based development environment, gaining experience with Linux command-line tools.

Software Engineer Intern

ElzianAgro(PVT) Ltd Aug 2022 – Mar 2023

- Contributed to the development of React.js & Node.js-based web applications.
- Focused on improving user experience and backend efficiency.
- Gained experience with SQL, Git, Figma, and Trello.

EDUCATION

Bachelor of Information & Communication Technology with Honours FEB-2024

SouthEastern University ofSriLanka
Specialization- Software Technology

PROFESSIONAL QUALIFICATIONS

- CS50's Introduction to Computer Science
Harvard University via edX (Ongoing – 2025)
- Prompt Engineering for ChatGPT
Vanderbilt University (Ongoing)
- Critical Thinking for Better Decisions
Deep Teaching Solutions (June 2025)

More certifications at [LinkedIn Certifications Page](#)

TECHNICAL SKILLS

Web Frameworks

- Backend Frameworks:** php ,Laravel, Node.js,Flask
- Frontend Frameworks :** Vue.js, React, Nuxt.js
- Template Engines:** Blade (Laravel), JSP/Servlets,
- API Development:** RESTful APIs
- Databases :** MySQL, MongoDB, SQLite

AI & Prompt Engineering Skills.

- Prompt crafting and tuning for ChatGPT and other LLMs
- Applied cognitive UX and behavioral psychology in AI prompting
- Task modeling, AI automation workflows, and response analysis
- Integration with OpenAI API via Python/Flask and JavaScript
- GitHub Copilot, VS Code AI features
- Applied critical thinking techniques for clarity and decision support

Tools & Platforms

- Git, GitHub, Postman, Jira, Figma, VS Code, IDEA, NetBeans
- WordPress, Fedora Linux

Software Development Best Practices

- **Coding Standards & Best Practices** – Follows SOLID principles, clean code methodologies, and design patterns
- **Code Documentation & Maintainability** – Writes structured, well-documented, and scalable code
- **Version Control & Collaboration** – Uses Git/GitHub efficiently with proper branching strategies

PERSONAL SKILLS

- Problem-Solving & Analytical Thinking
- Adaptability & Time Management
- Communication & Collaboration
- Emotional Intelligence & Resilience
- AI & Automation Skills
- Leadership & Mentoring
- Continuous Learning & Growth

Extracurricular Activities

- Former Vice Captain – University Boxing Team
- Former Team Member – University Weightlifting Team

Hobbies

- Reading Books
- Boxing
- Mindfulness & Meditation
- Blogging
- Exercise

REFERENCE

Yasindu Ramanayake

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RESEARCH PROJECTS

Research - Gestalt and Cognitive Psychological Theory in UI/UX [[more details](#)]

South Eastern University of Sri Lanka -
Dec 2022 - June 2023

Overview

Conducted a comprehensive research study analyzing how Gestalt principles and cognitive psychology influence user interface (UI) and user experience (UX) design. The research aimed to enhance digital experiences by improving efficiency, accessibility, and personalization.

Key Focus Areas:

Behavioral Personalization: Explored how psychological theories (e.g., perception, cognition, flow) affect user interaction and adaptive UI behavior.

Self-Personalization: Investigated how users modify interfaces based on individual preferences to improve comfort and engagement

PROJECTS [[explore more](#)]

AI Resume Analyzer (CS50 Final Project – In Progress)

AI tool that analyzes resumes using custom LLM prompts to assess clarity, structure, and tone. Provides score-based feedback via OpenAI API. (Flask, Python, HTML/CSS, OpenAI API)

Personal Portfolio Website

Live : MalingaBandara.tech

A dynamic, interactive portfolio showcasing my skills and projects. Built with Vue.js and SCSS for a responsive and modern design. (Vue.js, SCSS)

360 Car Care Center - ERP System [Fullstack](#) ERP system for automobile service centers to manage customers, services, inventory, and billing. (Laravel, Blade, Vue.js, Sanctum, MySQL, Git, Docker, Postman)

[Nuxt.js & WordPress Integration \(On Going\)- Link](#)

A full-stack web application built with Nuxt.js (frontend) and WordPress (headless CMS) using REST API. (Nuxt.js 3, Vue.js, WordPress REST API, Axios).

Online Tutor Booking System | GitHub Link: [Frontend](#), [Backend](#) A platform for students to find tutors and make bookings. Tutors can bid on requests. Built with Vue.js and Laravel. (Vue.js, Laravel, MySQL, Sanctum)

More Info: [Portfolio Website Project Page](#)