



KAVINDA WEERASINGHE

SOFTWARE ENGINEER

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[LinkedIn](#)

[Portfolio](#)

[Github](#)

OBJECTIVE

As an innovative software engineer with a solid foundation in computer science principles and 1 year of industrial experience, I am capable of building end-to-end full-stack solutions, UI designing and have the experience of DevOps practices and CI/CD pipelines to deliver enterprise-level applications with exceptional user experiences. I excel at problem solving, collaborate effectively, committed to continuous learning, and adapt quickly to emerging technologies. I am eager to contribute to impactful projects to deliver innovative solutions with meaningful business impact.

TECHNICAL SKILLS

- **Frontend** : ReactJS, Redux, HTML, CSS, Material UI, Tailwind, ShadCN, Ant Design
- **Backend** : NodeJS, ExpressJs, TypeORM, ASP.NET, Springboot
- **Languages** : Javascript, Typescript, C#, Java, Python
- **Databases** : PostgreSQL, MSSQL, MongoDB, Snowflake
- **CI/CD** : Docker, Kubernetes, FluxCD
- **Cloud** : Azure, Aws
- **Automation** : Puppeteer
- **Others** : Git, GitHub, Lens, Figma, Firebase, Postman, Wordpress

PROFESSIONAL EXPERIENCE

- **Software Engineering Intern | Creative Software** May 2025 - Present (7 Months)
 - **Intellectual property and brand protection system**
 - Designed and implemented a scalable multi-tenant web scraping microservices for efficient data collection as a learning project.
 - Extended system functionality by developing custom web scrapers with browser automation to detect fraudulent sellers, pages, and profiles across social media and e-commerce platforms.
 - Improved the reporting module by designing and implementing a report user viewing interface and introduced supporting REST API endpoints, enhancing overall application usability.
 - Reduced thread blocking by decoupling scrape jobs with the integration of message queues to improve system scalability and performance.
 - Deployed and managed containerized applications using Docker and Kubernetes on AWS infrastructure, implementing CI/CD automation with Flux CD.
 - **Technologies used:** Typescript, ReactJS, NodeJS, ExpressJS, PostgreSQL, Puppeteer, Java, Spring Boot, Docker, Kubernetes, AWS, Bullmq, Material UI, FluxCD, Figma, Redis
- **Software Engineering Intern | Verdentra** Jun 2024 - Dec 2024 (6 Months)
 - **Office Seating and Parking Reservation System**
 - Enhance functionality by advancing reservation workflow and implementing automated reservations, cron jobs, and data exports, resulting in improved functionality, user friendliness, and reliability.
 - **Technologies used:** React.js, Node.js, Typescript, SQL, Azure functions and communication services
 - **Employee Performance Tracking System**
 - Implement annual feedback forms, role-based UI, API integration, and data import/export. Fixed UI bugs and aligned with Figma for a seamless, efficient user experience.
 - **Technologies used:** React.js, Typescript, C#, ASP.NET, Ant Design
 - **Snowflake Migration Project**
 - Migrate stored procedure reports from on-premises databases to Snowflake, refactoring, converting, and optimizing SQL stored procedures into Snowflake-compatible queries.
 - **Technologies used:** Snowflake, SQL
 - Ensured timely delivery of high-quality outputs by adhering to project timelines.

EDUCATION

- **Bachelor (Hons) of Information and Communication Technology in Software Technology** 2021 - 2025
 - University of Sri Jayewardenepura | GPA - 3.55 / 4 (Second Upper)
- **Diploma in Software Engineering** 2023 - 2024
 - Developers Stack Academy

PROJECTS

- **Your AI | Domain-Specific AI Chat Application | [Link](#)**
 - Final-year research project, developing an LLM and RAG-based AI application with a knowledge graph, extracting knowledge from PDFs. Responsible for frontend design and implementation and collaborate on AI development.
 - **Technologies used:** LangChain, Llama, MongoDB, Neo4J, Flask, Python, Typescript, ReactJs, Tailwind, Azure Services
- **Lilac Store | E-Commerce web app | [Link](#)**
 - An individual project, Facilitate ordering clothes, managing profiles, history, cart, and admin dashboard to manage and get sales insights. JWT verification, Image uploading, and Redux for state management.
 - **Technologies used:** Javascript, ReactJs, NodeJs, ExpressJs, MongoDB, Firebase, Tailwind, Redux
- **Music Muse | Emotion-based music recommendation web app | [Link](#)**
 - Group project, Delivering personalized music suggestions based on user emotions, play history, and playlists. My responsibility was to develop a backend API to connect Spotify API, the front end, and the machine learning server.
 - **Technologies used:** Javascript, ReactJs, NodeJs, ExpressJs, MongoDB, Firebase, Tailwind
- **Dot Talk | Web-based chat application | [Link](#)**
 - Group project. Featuring a real-time chat application that facilitates real-time messaging, multimedia sharing, and group chats. My responsibility was to develop the frontend.
 - **Technologies used:** Javascript, ReactJS, NodeJs, ExpressJs, MongoDB, MUI, Redux

SOFT SKILLS

Problem Solving | Teamwork | Communication Skills | Time Management | Creativity | Adaptability | Willingness to Learn | Presentation

CERTIFICATES

• Kubernetes Basic Concepts and Configuration - Pluralsight	Sep - 2025
• API Security Practices - Pluralsight	Oct - 2025
• Generative AI with Large Language Models - Coursera	Jan - 2025
• C# and .NET Basics - Frontend Masters	Dec - 2024
• Building APIs with C# and ASP.NET Core - Frontend Masters	Dec - 2024
• Introduction to Microsoft Azure Cloud Services - Coursera	Feb - 2024
• Principles of UX/UI Design from Meta - Coursera	Feb - 2024

EXTRACURRICULAR

• Tech Blog - Medium	May 2025 - Present
• Member - IEEE Student Branch - University of Sri Jayewardenepura <ul style="list-style-type: none">◦ Volunteer as an Organizing Committee Member for J'Pura Expedition 2024	Sep 2023 - May 2024
• Member - Generation ALPHA	Jan 2024 - Dec 2024

INTRESTS

Full-stack development | UI/UX | AI | Data science