

AVISHKA KAVINDA GAMAGE

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Professional Summary

A software engineer who genuinely enjoys building things that work well, look good, and are secure under the hood. My focus is on clean, maintainable code and making sure the applications I build are as strong behind the scenes as they are on the surface.

Over the years, I've worked across the web stack shaping intuitive frontends, structuring reliable backends, and always keeping best practices for security and performance in mind. I care about the little details, from how a user experiences a feature to how efficiently it runs in production.

At the heart of it all, I just love what I do. My goal is to keep learning, growing, and creating doing work that I care about for as long as I can.

Work Experience

SENIOR SOFTWARE ENGINEER | ARCHIMEDES LABS LLC | 2026 - PRESENT

- Developed and maintained a full-stack marketing platform for a US-based agency using **React**, **Tailwind CSS**, **Express.js**, and **MongoDB**, delivering scalable features, reusable UI components, and responsive user experiences.
- Built backend services including **REST APIs**, **webhooks**, **scheduled cron jobs**, and an automated **video generation pipeline** using **Puppeteer**, **Review** and media processing libraries, enabling dynamic content creation and workflow automation.

Technologies: **React**, **Tailwind CSS**, **Express.js**, **MongoDB**, **Node.js**, **REST APIs**, **Webhooks**, **Cron Jobs**, **Puppeteer**, **Agile/Scrum**

SOFTWARE ENGINEER | KERNER NORLAND | 2024 - 2026

- **Led** R&D initiatives to evaluate and implement modern technologies, contributing to **Open edX** customizations and integrating **Xero** to automate financial workflows and improve platform capabilities.
- Developed cloud-native solutions using **AWS** and **Docker**, including an OCR system that improved data processing accuracy by **80%** while reducing cloud costs by **72.73%**.

Technologies: **ReactJS**, **Python**, **Flask**, **Jinja**, **Docker**, **PostgreSQL**, **MySQL**, **Elasticsearch**, **AWS**, **Confluence**, **Jira**, **Gitlab**

SOFTWARE ENGINEER | KERNER NORLAND | 2024 - 2025

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SOFTWARE ENGINEER | BLUEWAVE TECHNOLOGIES, USA | 2023 - 2024

- **Designed** system architecture diagrams and UI/UX wireframes in **Figma**, while leading client communications to translate business requirements into scalable technical solutions and streamline development.
- Developed full-stack features using **Angular** and **Express.js**, integrated **Microsoft Azure** monitoring services, and contributed to the successful on-time delivery of an MRP system that improved operational efficiency and data visibility.

Technologies: **Angular, Node.js, Express.js, MongoDB, Tailwind CSS, Figma, Azure DevOps, Application Insights, Azure Monitor**

SOFTWARE ENGINEERING INTERN | INFOR NEXUS - APPX TEAM | 2022 - 2023

- Developed and enhanced cross-platform applications using **Angular and Ionic**, integrating **REST APIs**, modular components, and **PDF export** functionality to improve usability, reporting, and development efficiency.
- Collaborated with international teams while working with enterprise technologies including **Java, DB2, Infor Core, and Infor FEF**, gaining experience in large-scale backend systems and distributed software development.

Technologies: **Angular, Ionic, Java, DB2, Infor Core, Infor FEF, REST APIs, Jira, Gitlab, Confluence**

Education

- **BSc Honors (1st Class) in Computer Science** | IIT in Affiliation with University of Westminster, UK
- **GCE Advanced Level Physical Science Stream** | Richmond College Galle

Skills

- **Core Software Engineering Skills** – Full-Stack Development, Software Architecture, Backend Development, Frontend Development, RESTful APIs, Cloud Computing, Agile & Scrum
- **Programming Languages & Frameworks** – JavaScript, TypeScript, Node.js, Rust (Axum), Python, Java, C#, Express.js, Angular, SvelteKit, Django, Flask
- **Web & UI/UX Skills** – UI/UX Design, Figma, Tailwind CSS, GSAP, ThreeJS, Responsive Web Design, Prototyping & Wireframing
- **Cloud & DevOps** – AWS (EC2, S3, RDS, Cloudfront, Textract), Microsoft Azure (Application Insights, Azure Monitor), Azure DevOps, Docker, CI/CD Pipelines
- **AI & LLM Technologies** – Claude Code, Codex, Prompt Engineering, Retrieval-Augmented Generation (RAG), Model Context Protocol (MCP), AI Agent Architecture, Context Engineering, Claude Skills, AI Development Workflows, LLM Code Review, Graphify, Obsidian Brain
- **Additional Technical Skills** – MongoDB, PostgreSQL, MySQL, Unity 3D (Game & XR Development), TensorFlow (for object detection projects)
- **Soft Skills** – Team Collaboration, Problem Solving, Critical Thinking, Communication, Client Management, Time Management

Activities and Interests

- Hiking
- Competitive Gaming
- Working Out
- Indie Game development

References

Mr. Sanu Abeysekara

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