Sahan Chinthaka

Associate Software Engineer

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PROFILE

A passionate Software Engineer with hands-on experience in full-stack web development, machine learning, and cloud computing. Skilled in building scalable applications using Next.js, React, JavaScript, and cloud technologies. Proficient in writing clean, efficient, and well-documented code, with a commitment to continuous learning and improving technical expertise. Eager to contribute to impactful projects and collaborate with cross-functional teams.

PROFESSIONAL EXPERIENCE

STEMLink, *Software Engineer Intern*   02/2025 – 08/2025
- Developed dynamic PDF certificate generation on the server using Next.js API routes and Cloudflare R2, enhancing automation in the LMS.
- Created a complete developer portfolio platform for users to showcase projects with rich-text descriptions and tech stack tagging.
- Built an online exam management system and integrated ChatGPT APIs to automate marks validation and reduce manual effort.
- Collaborated with cross-functional teams, including product managers and designers, to ensure software solutions met project requirements.

EDUCATION

BSc (Hons) in Software Engineering,   08/2021 – 02/2026
Sabaragamuwa University of Sri Lanka

Diploma in Web Engineering, *ESOFT Metro Campus*   01/2018 – 08/2018

PROJECTS

Lesal Auto World 🔗 , *(Group Project) | Next.js | TailwindCSS | Stripe | MongoDB*
- Created an e-commerce platform for vehicle and part sellers using Next.js, with MongoDB for dynamic data storage inventory management.
- Integrated Stripe payment gateway, processing secure transactions for vehicle parts orders with a 100% success rate.

TwisterJS 🔗 , *(Personal Project) | TypeScript | React | Next.js | NPM | Open Source*
- Built a modular suite of React-based packages published under the twister-js organization, installable via both twister-js and scoped packages.
- Developed the @twister-js/chat-form package — a flexible, customizable chat-based form component with support for validation, conditional logic, and dynamic rendering.

Pearl Hack 2.0 🔗 , *(Group Project) | Next.js | Firebase | SEO | Google OAuth*
- Developed an interactive hackathon website for WIE Affinity Group of SUSL using Next.js with a chat-based registration system, enabling users to register teams via an intuitive chat interface.
- Integrated Firebase to store and manage team registration data, ensuring secure and real-time updates for organizers.

Smart Lottery Checker 🔗 , *(Group Project) | Flask | PyTorch | Web Scrapping | OCR*
- Built the backend for a mobile app that scans lottery images, classifies lottery types using PyTorch, and extracts winning numbers and dates using EasyOCR.
- Developed a Flask API to process lottery type classification with 90% accuracy and extract lottery data from scanned images.

- Implemented web scraping with BeautifulSoup to fetch and store lottery results in Firebase Firestore, reducing query response.

Find It 🔗 , *(Group Project) | Next.js | PostgreSQL | Gemini AI | Google Maps API*
- Built a lost-and-found platform using Next.js and PostgreSQL, allowing users to report lost items with descriptions, images, and suspicious locations.
- Integrated Google Map API for location tracking and Gemini AI for feature extraction (color, text, etc.), facilitating accurate matching of lost and found items.

VOLUNTEERING

IEEE Student Branch of SUSL 🔗 , *Webmaster*   09/2023 − 09/2024

PearlHack 2.0 🔗 , *Web Committee Team Leader*   11/2023 − 02/2024

STEMUp 🔗 , *Instructor at CoderDojo*   01/2024

TECHNICAL SKILLS

Programming Languages:
JavaScript | TypeScript | Python | Java | PHP | C

Frameworks and Libraries:
Next.js | React.js | Node.js | Express.js | Flask | TailwindCSS | PyTorch

Databases:
MySQL | PostgreSQL | MongoDB | Firebase | Supabase | SQLite

Tools:
Docker | GitHub | GitHub Copilot | MCP | Figma

Development Practices:
RESTful APIs | Version Control (Git) | Agile Methodologies | Test-Driven Development

Other:
AWS Cloud | Cloudflare R2 | Stripe API | Google Maps API | Clerk Auth

SOFT SKILLS

Problem Solving | Leadership | Critical Thinking | Flexibility | Communication Skills | Adaptability | Teamwork | Creativity

CERTIFICATES

- Python & Data Analytics

- AWS Cloud Technical Essentials

REFERENCES

Mr. Dilum Navanjana
Lead Backend Developer,
Personio.
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