Sai Pone Kha Aung

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SUMMARY

Software Engineer with strong experience in building fullstack web applications using React.js, Next.js with SSR, Nest.js, Node.js and Tailwind CSS. Skilled in developing scalable UI components, consuming RESTful APIs, GraphQL and collaborating across globally distributed teams. Passionate about delivering user-centric, accessible interfaces and continuously improving application quality and responsiveness.

AREAS OF EXPERTISE

- HTML, CSS, Tailwind, SCSS
- JavaScript, TypeScript
- React.js, Next.js
- Node, Express, Nestjs

- MongoDB, MySQL, PostgreSQL, Prisma
- UI/UX, Figma
- Cypress, Jest

- Agile, Scrum, Jira, SDLC
- Git, Github
- RESTful, GraphQL
- Vercel, Netlify, AWS, CI/CD

PROFESSIONAL EXPERIENCE

FUNGIN | Thailand
Full-Stack (Remote)   May 2025 - Current

- **Role and Responsibilities:** As a Senior Software Engineer, I am responsible for the end-to-end system architecture and technical leadership for an AI-powered ebook and audiobook platform. This involves designing the entire application stack and implementing a scalable and cost-effective infrastructure.
- **Key Contributions:**
  - **System Design & Architecture:** Designed the complete system from the ground up, covering the mobile, frontend web, admin dashboards, and backend services, ensuring a cohesive and scalable cross-platform architecture.
  - **Cost Optimization:** Conducted in-depth analysis to calculate and implement the most efficient and cost-effective production solutions, leading to significant savings without compromising performance.
  - **CI/CD & DevOps:** Established a robust CI/CD pipeline, integrating AWS, Supabase, Vercel, and GitHub Actions, which automated testing with Cypress and streamlined deployments.
  - **Implementation & Leadership:** Led the implementation of the UI for both frontend web and mobile applications, personally handling 80% of the development and contributing 20% to backend services.
  - **Agile Development:** Instituted and managed the Agile framework for the development team, improving collaboration and project delivery speed.

HAKU Clothing | Myanmar
Full-Stack (Remote)   *Jan 2024 – April 2024*

- **Role and Responsibilities:** Developed and enhanced digital product features for an e-commerce platform. This role focused on utilizing modern frameworks to build responsive, high-performance user interfaces and collaborating with a cross-functional team.
- **Key Contributions:**
  - Developed core e-commerce features using React.js and Next.js with Server-Side Rendering (SSR) to improve initial page load times and SEO.
  - Integrated complex RESTful APIs to provide a seamless user experience and dynamic content.
  - Engineered responsive and visually polished UIs using Tailwind CSS, adhering to modern design principles.

Golden Cherry Hotel | Myanmar
Front-End (Remote)   *Oct 2023 – Dec 2023*

- **Role and Responsibilities:** Focused on improving the user experience and engagement of the hotel's web applications. This involved a deep dive into performance optimization and UI/UX design collaboration.
- **Key Contributions:**
  - Built and optimized responsive web interfaces using React.js and SCSS, which directly resulted in a **40% increase in user engagement**.

- o Implemented performance enhancements like lazy loading and code splitting, significantly improving application speed and user satisfaction.
- o Collaborated directly with UI/UX designers and backend engineers to translate design mockups into functional, high-quality user interfaces.

MEW Int Ltd | LA, United State
Software Engineer (Remote | Full Time) *June 2022 – Sep 2023*

- ● **Role and Responsibilities:** Initially focused on developing Augmented Reality (AR) and 3D character customization features using Unity. Later, I transitioned to a frontend development role, where I was responsible for creating interactive 3D web experiences using Three.js and React.
- ● **Key Contributions:**
  - o **3D/AR Development:** Developed an AR system for 3D model retargeting and a fully functional 3D character customization feature using the Unity engine, showcasing strong skills in game development and 3D application design.
  - o **Frontend Development:** Successfully transitioned to a frontend role, where I developed interactive 3D model scenes using Three.js and React to display AI-generated 3D models.
  - o **Team Collaboration:** Actively contributed to code reviews and participated in daily Scrum meetings to ensure project alignment, maintain code quality, and facilitate effective communication within the team.
  - o **Performance Optimization:** In my frontend role, I contributed to refactoring components to improve application quality, load speed, and responsiveness, which ultimately led to a 25% boost in user engagement.

PROJECTS

NEAR ABAC   Source Code |LiveDemo

Description: A full-stack web application designed to help new university students discover nearby places and services.

Technologies & Contributions:

- ● Developed the full-stack architecture using a modern tech stack (Next.js, Tailwind, Tanstack Query, Supabase).
- ● Integrated third-party APIs (e.g., Google Maps) and social scraping to provide real-time, relevant information.
- ● Utilized Clerk Auth for secure user authentication, enabling personalized experiences.

Content Generator AI agent   Source Code |LiveDemo

Description: A personal AI agent prototype built for content generation and data management.
Technologies & Contributions:

- ● Developed a lightweight AI agent using Python, integrating local LLM models (Gemini, Ollama).
- ● Engineered a seamless integration with the Notion API, allowing users to automate content creation and organization.

Prompt Boost Chrome Extension   Source Code

Description: A browser extension designed to enhance user prompts for various large language models (LLMs) to achieve better results.
Technologies & Contributions:

- ● **Development:** Built the extension using foundational web technologies (Vanilla JavaScript, HTML, and CSS) to ensure lightweight performance and broad compatibility.
- ● **Prompt Engineering:** The core of the project was centered on my expertise in prompt engineering, creating a system that intelligently refines and enhances user inputs for AI chatbots like ChatGPT, Grok, DeepSeek, and Gemini.
- ● **API Integration:** Integrated the Gemini API to power the AI capabilities of the extension.
- ● **Data Security:** Prioritized user privacy by designing the application to store all user data locally within the browser, ensuring no sensitive information is transmitted or stored on external servers.