Tanuson Deachaboonchana

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SUMMARY

Motivated and detail-oriented Software Engineer with a demonstrated history of designing, developing, and implementing cutting-edge software solutions. Adept in full-stack development, offering expertise in both front-end and back-end technologies.

EDUCATION

Bachelor of Engineering Program in Computer Engineering

Chulalongkorn University

📅 August 2023 - September 2027 (Not graduated yet)

Technologies and Languages

Programming Languages	**Golang, JavaScript, TypeScript**, Java, Python, C++, SQL, Dart
Frameworks / Libraries	**Next JS, Gin, Svelte**, React JS, Express JS, React Native, Vue JS, Nuxt JS, Nest JS, TailwindCSS, Prisma, Dizzle, GORM, Fiber, Flutter, Strapi
Databases	**PostgreSQL, MongoDB**, Redis, MySQL,
Tools	Git, Docker, Kubernetes, Android Studio
Cloud and DevOps	AWS, Firebase, Vercel, GitHub Actions, GitLab CI

WORK EXPERIENCE

Software Developer   Internship   **Blockfint**   May 2024 - July 2024

- Tranning and Implemented advanced concurrency techniques to boost API speed and strengthen security, resulting in faster response times and safer data handling. Developed by Go, GORM, PostgeSQL, Prometheus
- Developed the front-end using Next.js, TypeScript, Mantine, and Redux, delivering a user-friendly and efficient carbon credit offset calculator.
- Designed and developed software modules that improved the user experience for key features of the company's core product, solving critical challenges with innovative solutions.

Full-Stack Developer   Part-Time   **Swipe**   April 2024 - Present

- Developed and implemented responsive and interactive Progressive Web App (PWA) product based on detailed Figma designs, ensuring functionality across all devices. Developed by Next.js, TypeScript, MUI, and Redux
- Enhanced project performance through efficient coding practices and performance tuning
- Designed and implemented APIs services for the main product, enhancing its capabilities and performance.

Back-end Developer   Part-Time   **TechCare**   February 2024 - June 2024

- Designed user and system schemas along with API endpoints to ensure optimal functionality and high performance across the platform.
- Implementing API fetching mechanisms to facilitate seamless data retrieval and transmission within the platform. By Strapi
- Maintained and improved APIs through continuous monitoring, updates, and optimizations
- Architect and optimize the database structure for a delivery application, focusing on scalability, data integrity, and performance.

Web Developer / UXUI Desinger   Freelance   Since 2022

- Designed and developed custom static websites for a diverse range of clients, including small businesses, startups.
- Currently developing a product for payments and file uploading tailored for the paper and sticker industry

Extracurricular Activities

Software Engineer   **Information System Development, SGCU**   June 2024 - Present

- Developed a user selection group feature for an incoming students' website, accommodating up to 3,000 users per day
- Designed and constructed the database model and project structure for CU Council, ensuring a scalable and efficient system

Core Team   **Thinc. (Thailand Incubator)**   August 2024 - Present

- Contributed to a student-run community focused on societal impact and the development of real-world professional skills, aiming to incubate future leaders.
- Organized and hosted club activities, events, and workshop sessions for students interested in software development, fostering engagement and learning.
- Supervised multiple projects and engineering teams, ensuring effective collaboration and successful project outcomes.

Software Engineer   **CU Get Reg**   August 2024 - Present

- Developed frontend pages using Svelte, enhancing the user interface and experience for the application.
- Built and maintained backend services utilizing Svelte Actions and PostgreSQL, ensuring reliable and efficient data handling.
- Contributed to the design of the database schema, optimizing data storage and retrieval.
- Assisted in setting up infrastructure using microK8s, supporting scalable and efficient application deployment.

Core Team   **Google Developer Student Club CU**   September 2023 - Present

- Contributed to transformative educational projects by leveraging Google's suite of tools to enhance teaching and learning experiences across the university.
- Organized and hosted club activities and sessions for students interested in software development Events include "Malong" and "Python Hunt".
- Utilized Google's educational tools to support and improve various academic initiatives

PROJECTS

Rub Puen Kao Mai 2024   July 2024

Freshmen orientation registration website for Student Government of Chulalongkorn University

Massage Reservation   May 2024

Designed for ease and efficiency, Massage Reservation is a user-friendly web app for booking and managing massage appointments

CUNEXT EVENT   April 2024

This is a product in HackChula, Comprehensive platform designed to enhance the experience of event discovery, organization, and management within the university community

MineSweeper   March 2024

Developed using JavaFX, Mine Sweeper offers a classic gaming experience with an intuitive user interface.

Carbon Credits Marketplace   April 2023

Bridging sustainability and consumerism, Carbon Credit Marketplace enables the trading of carbon credits through clothing purchases.

Trip Recommendation   February 2023

Utilizing AI algorithms, Trip Recommendation suggests tailored travel itineraries for Bangkok visitors based on individual preferences and interests

Ranfoom   November 2021

An innovative Flutter application, Ranfoom simplifies meal decision-making by randomly suggesting food options.