






# Tanuson Deachaboonthana


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 Bangkok, Thailand

## SUMMARY

"Software Engineer with hands-on experience in full-stack development, specializing in building scalable web applications and e-commerce platforms. Demonstrated success in managing projects handling 5,000+ monthly transactions and building high-performance APIs. Active contributor to technical communities and open-source projects."

## EDUCATION

Bachelor of Engineering Program in Computer Engineering  
Chulalongkorn University  
August 2023 - September 2027 ( Not graduated yet )

## Technologies and Languages

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

## WORK EXPERIENCE

Full-Stack Developer

Part-Time

Swipe

April 2024 - November 2024

- 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 by best practice solution
- Designed and implemented APIs services for the main product, enhancing its capabilities and performance.

Software Developer

Internship

Blockfint

May 2024 - July 2024

- Traning 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, PostgreSQL, 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.

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.

Software Engineer / Project Manager

Freelance

Since 2022

- Designed and developed custom static websites: Created unique, responsive websites from scratch and with CMS tools like WordPress for small businesses and startups. Collaborated with clients to tailor each design, ensuring branding consistency and user-friendly layouts optimized for various devices.
- Developed full-featured e-commerce platforms: Built e-commerce solutions with core features including homepage design, shopping carts, product pages, order processing, and secure payment gateways. Integrated custom admin dashboards for efficient order and inventory management and file-uploading functionality to support diverse client needs.
- Built product management service: Developed a robust service to manage store inventory, capable of handling 5,000+ monthly product transactions. Designed advanced features such as product comparison, an interactive dashboard, and an export-to-document function to streamline inventory oversight and reporting.

## Extracurricular Activities

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<b>Software Engineer</b>	<b><u>Information System Development, SGCU</u></b>	June 2024 - Present
<ul style="list-style-type: none"><li>Developed a user selection group feature for an incoming students' website, accommodating up to 3,000 users per day</li><li>Designed and constructed the database model and project structure for CU Council, ensuring a scalable and efficient system</li><li>Lead teammate for develop website 'Chu News' the website source of news about the university or other interesting news.</li></ul>		

<b>Core Team</b>	<b><u>Thinc. (Thailand Incubator)</u></b>	August 2024 - Present
<ul style="list-style-type: none"><li>Contributed to a student-run community focused on societal impact and the development of real-world professional skills, aiming to incubate future leaders.</li><li>Organized and hosted club activities, events, and workshop sessions for students interested in software development, fostering engagement and learning.</li><li>Supervised multiple projects and engineering teams, ensuring effective collaboration and successful project outcomes.</li></ul>		

<b>Core Team</b>	<b><u>Google Developer Student Club CU</u></b>	September 2023 - Present
<ul style="list-style-type: none"><li>Contributed to transformative educational projects by leveraging Google's suite of tools to enhance teaching and learning experiences across the university.</li><li>Organized and hosted club activities and sessions for students interested in software development Events include "Python Hunt".</li><li>Utilized Google's educational tools to support and improve various academic initiatives</li></ul>		

## PERSONAL PROJECTS

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<b><u>Rub Puen Kao Mai 2024</u></b>	July 2024	<b><u>Shoppo</u></b>	October 2024
freshmen orientation registration website for the Student of Chulalongkorn University, supporting up to 3,000 users per day with a robust distributed system for high scalability.		Browser extension that aids purchasing decisions by recommending products and suggesting alternatives; currently supports Shopee, with plans to expand to Amazon for enhanced shopping assistance	
<b><u>CUNEXT EVENT</u></b>	April 2024	<b><u>Massage Reservation</u></b>	May 2024
This is a product in HackChula, Comprehensive platform designed to enhance the experience of event discovery, organization, and management within the university community		Designed for ease and efficiency, Massage Reservation is a user-friendly web app for booking and managing massage appointments	
<b><u>Carbon Credits Marketplace</u></b>	April 2023	<b><u>MineSweeper</u></b>	March 2024
Bridging sustainability and consumerism, Carbon Credit Marketplace enables the trading of carbon credits through clothing purchases.		Minesweeper game using JavaFX, featuring an intuitive user interface. Built as a university project, applying object-oriented programming (OOP) principles throughout.	
<b><u>Nodi</u></b>	December 2024	<b><u>Trip Recommendation</u></b>	February 2023
Nodi is a web application that allows users to discover and connect research papers through intelligent conversations. It uses advanced natural language processing techniques to understand the content of the papers and to generate intelligent conversations with the users.		Utilizing AI algorithms, Trip Recommendation suggests tailored travel itineraries for Bangkok visitors based on individual preferences and interests	

## PUBLIC CUSTOMER PROJECT

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<b><u>Sticker Printer</u></b>	August 2024
E-commerce platform for custom sticker ordering and printing, featuring a homepage, product pages, integrated payment gateway, and an admin dashboard for seamless order and inventory management.	