Suphanat Chanlek

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PROFESSIONAL SUMMARY

Highly motivated Second-year Computer Science student with hands-on full-stack, frontend, and backend development experience through internships and hackathons. Proven ability to build and deploy production-ready web applications using modern frameworks. Seeking a Software Engineering Internship (Full-Stack, Frontend, or Backend) to leverage technical skills in designing responsive interfaces, implementing robust backend services, and contributing to innovative software solutions.

EDUCATION

Thammasat University   **Rangsit Campus, Thailand**

Bachelor of Science in Computer Science, 3.42 GPA   2024 - Present
- Relevant Coursework: Web Development, Software Engineering, UI/UX Design,
  Object-Oriented Programming (OOP), Data Structures & Algorithms, Principles of Data Science

TECHNICAL SKILLS

- **Frontend:** JavaScript, TypeScript, React.js, Next.js, Tailwind CSS, Bootstrap
- **Backend:** Node.js, Express.js, Java, Spring Boot, Go, FastAPI, REST APIs, PostgreSQL, MongoDB, MySQL, MSSQL Server
- **Tools & Technologies:** Docker, Git, GitHub Actions, AWS, Postman, Figma, Firebase, Prisma, Swagger, Label Studio
- **Additional Skills (ML/AI):** NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow, PyTorch

WORK EXPERIENCE

Frontend Developer (Intern)

ASCEND CO., LTD. | August 2025 – Present (Expected to finish January 2026)
- Developed and deployed responsive web interfaces using Next.js and Tailwind CSS for production systems.
- Integrated frontend components with various backend services, ensuring seamless real-world application deployments.
- Collaborated closely with design teams to translate Figma mockups into high-fidelity, production-ready code.

Undergraduate Researcher (AI & Software Engineering)

Thammasat University – Lab Tonkit | May 2025 – Present
- Contributed to the PADIN Project, a joint research with Osaka University & Thammasat University, developing AI-powered dental X-ray diagnostic tools.
- Built an ML backend using SAM 2 (Segment Anything Model 2) integrated with Label Studio, supporting federated learning; enabled researchers to process ~1,000 dental X-ray images/month.
- Developed and maintained the PADIN project website, making research data and annotation tools more accessible for dental professionals and cross-discipline researchers.
- Designed and deployed a web application on Render to aggregate individual tooth labels into composite dental images using image processing techniques, streamlining research workflow and annotation accuracy.

PROJECTS

SOS Backoffice | Next.js, Nest.js, TypeScript, Tailwind CSS, PostgreSQL
- Built the entire backoffice frontend in Next.js/TypeScript, integrating from a backend for end-to-end management across the project.
- Collaborated with UI/UX to translate Figma designs into responsive, accessible views using Tailwind CSS and reusable components.
- Implemented core flows (data tables, forms, filters, pagination) with robust state and error handling for production use.
- Collaborated with backend to define/adjust API contracts, delivered features from real requirements, and fixed issues to improve reliability and usability in a live environment.

NangNaiDee Hourly seat & workspace booking platform | Java Spring Boot, Next.js, MSSQL Server, Docker, JWT, Cloudinary
- Designed the database schema and basic system architecture; implemented REST APIs and project structure for a working prototype.
- Built key flows: login, bookings, payments (slip upload), reviews, and admin pages for locations/units.
- Developed a reusable Next.js/Tailwind UI (tables, forms, filters, pagination) with basic state/error handling and Cloudinary image upload.
- Implemented JWT-based authentication and validation in Spring Boot with clear error responses.
- Wrote API specifications and basic tests; set up a Dockerized development environment (backend + MSSQL + frontend).

CIS CSTU40 Agent Mission System | Next.js, TypeScript, Tailwind CSS, MongoDB | Link : https://ics-cstu-40.vercel.app/
- Built an interactive cybersecurity mission web application with gamified clues and countdown timers.
- Designed and launched an interactive mission game for 200+ student participants, deployed on Vercel.

HONORS & AWARDS

Hackathon:

The Winner, Sci Soft Power Innovation Hackathon (SSPI 2024)

1st Runner-up, Digital Innovation Workshop & Hackathon 2023 (TCS x CIS KMUTNB)

Rookie Star, Axtra Mile Hackathon 2025 (CP AXTRA PUBLIC COMPANY LIMITED)

Finalist (Top 15), SCGJWD Next Gen Logistics Hackathon 2025 (SCGJWD)

Selected Participant (Top 20 out of 273 applicants), Young Webmaster Camp 20 – Web Programming Track