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 – November 2025
- 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).

E-Commerce (Backend) | Go (Fiber), PostgreSQL, GORM, Clean Architecture, JWT, Docker, Swagger
- Built a full-stack e-commerce REST API end-to-end: auth (register/login, JWT + refresh, roles), categories/products, cart, orders, payments, and sales stats.
- Structured the codebase with Clean Architecture, added validation, bcrypt password hashing, middleware, and robust error handling.
- Documented the API with Swagger/OpenAPI and endpoint guides, including request/response schemas and examples for smooth consumer integration.

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