SUPHAKIT SONGSUWONG

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EDUCATION

Kasetsart University **Bangkok, Thailand**
Bachelor of Engineering in Computer Engineering *Anticipated graduation in April 2025*
GPA: 3.48/4.00

WORK EXPERIENCE

Appsynth Asia Co., Ltd **Bangkok, Thailand**
Full-Stack Developer Intern *April 2024 - October 2024*
- Developed a loyalty platform that incentivizes staff participation in company activities, enabling them to earn points and redeem personalized items.
- Built a comprehensive CMS for administrators to manage content on loyalty platforms such as users, events, points, stock, announcement, notification and track item redemptions seamlessly.
- Integrated data visualization dashboards within the CMS to provide insights on user engagement, event participation, and redemption trends.
- Organized a knowledge-sharing session on the topics "What is a Feature Flag" and "What is an OWASP" within the team to enhance communication skills and software development expertise.
- Published a Medium article reviewing my internship experience at Appsynth.
  Utilized: NextJS, Go, Gin, GORM, S3, Docker, One Signal, Mailgun, Slack, Jira, Confluence and Bitbucket

TECHNICAL PROJECTS

Personal Website: Website | Repository

watcher Website | Repository **Bangkok, Thailand**
Full-Stack Developer *February 2024 - February 2025*
- Developed a progressive web app (PWA) for tracking watched shows, discovering new content, and receiving personalized recommendations.
- Designed and implemented Infrastructure as Code (IaC) using Terraform to manage resources on Google Cloud Platform (GCP)
- Implemented a GitOps-driven CI/CD pipeline to automate building and deploying applications on a Kubernetes Cluster, leveraging the app of apps pattern.
  Utilized: Nextjs, MongoDB, Cloudflare, Kubernetes, Kubeseal, Kustomize, Helm, ArgoCD, GCP, Terraform and Github Actions

ZideQuest Repository **Bangkok, Thailand**
Backend Developer & Team Leader *July 2023 - October 2023*
- Led a 4-member team to develop a backend of Kasetsart University student mobile app that streamlines campus activity engagement for students and hosts alike. Students can effortlessly find and join activities, track their hours, and display their levels.
- Designed and implemented database and API to support features such as authentication, notification, CRUD operations, file storage, deploying the application on the cloud and integrating with the Google Maps API, Additionally, writing end-to-end testing for the system.
  Utilized: React Native, Express, MongoDB, Google Map API, Cloudinary, AWS (EC2) and Docker

kittoshop Website | Repository **Bangkok, Thailand**
Full-Stack Developer *September 2023*
- Developed and implemented an e-commerce platform for selling fashion clothing for children, men and women. The website includes a cart management system, product search and filtering functionalities.
  Utilized: Nextjs, MUI, TailwindCSS, Go, Fiber, MongoDB

Social App Repository **Bangkok, Thailand**
Full-Stack Developer *January 2023*
- Designed and developed a social media platform using the MERN stack.
- Enabled users to post photos, text, and videos, as well as view and engage with posts from the community.
  Utilized:, React, Redux, TailwindCSS, Express, MongoDB, Cloudinary

Leave Work Repository **Bangkok, Thailand**
Full-Stack Developer *September 2023*
- Built a leave management web application that tracks users' leave records, including leave date, type and notes
  Utilized: NextJS, Typescript, Material UI, TailwindCSS, Go, Fiber, PostgreSQL, Docker

Mood & Sound Website **|** Repository   **Bangkok, Thailand**
Full-Stack Developer   *September 2023*
- Designed and built a sound web application that plays various sounds for users to choose.
  Utilized: NextJS, Typescript, TailwindCSS

kittotype Website **|** Repository   **Bangkok, Thailand**
Full-Stack Developer   *September 2023*
- Built a speed typing test website that provides detailed statistics, including correct word count, wrong word count, and accuracy.
  Utilized: NextJS, Typescript, TailwindCSS

LEADERSHIP

International School of Engineering, Chulalongkorn University   **Bangkok, Thailand**
I-Squared Hackathon 2025 (Image Processing Hackathon)   *February 2025*
- Developed a Machine Learning model with image processing capabilities to classify motorcycle types and identify companies or services (e.g., Grab, Lineman, Motorbike Taxi) operating on Bangkok's sidewalks.
- Achieved ~98% model accuracy, contributing to innovative solutions for pedestrian safety.

Faculty of Engineering, Kasetsart University   **Bangkok, Thailand**
Computer Programming Teacher Assistant   *January 2025 - Present*
- Guided and supported over 60 undergraduate students in the programming fundamentals.

Medium Article   **Bangkok, Thailand**
Author medium.com/@kitsugarr   *September 2023 - Present*
- Write articles for software developers and computer enthusiasts, attracting 100+ monthly readers.
- Published articles covering Go API development, file systems, web security, memory management, and internship experiences

SKILLS

- **Languages:** Golang, Python, JavaScript, TypeScript, SQL, NoSQL, HTML, CSS, YAML, Terraform
- **Frontend Frameworks & Library**: ReactJS, NextJS, TailwindCSS, Material UI, Ant Design, shadcn, Redux
- **Backend Framework & Library:** Gin, Fiber, Express
- **Technologies & Tools:** Docker, Kubernetes, ArgoCD, Helm, Kustomize, Nginx, Vim, Postman
- **Version Control:** GitHub, Bitbucket
- **Cloud Services:** AWS, GCP, Cloudinary