WITTAWAT CHAILIAB

⌖ Thousand Oaks, California, United States ✉ wchailiab@gmail.com ☐ 5593211329 ⊞ in/wittawat-chailiab-5bb838164 ☁ www.wittawatchailiab.com

SUMMARY

Software Engineer (M.S. Computer Science) with **3+** years of experience building **cloud-native full-stack applications**, **scalable backend systems**, and **AI-driven tools**. Proficient in **React**, **Flask**, **Docker**, and **AWS**, with a track record of delivering secure, production-ready solutions in agile environments.

EXPERIENCE

Developer
Tap Series   **January 2025 – Present, Westlake Village, CA**
- Deployed and containerized Canvas **LMS** on **Docker**, integrating with internal platforms to improve scalability and streamline course operations.
- Engineered a license-based PDF reporting system **(PHP + Flask)**, cutting processing time by **40%** and increasing reliability for **500+ monthly reports**.
- Migrated core components from **MSSQL** to **MySQL**, resolving integration issues and boosting overall query performance by **30%**.
- Debugged and resolved **Authorize.Net API** payment failures, raising transaction success rates by **15%** and ensuring on-time release cycles.
- Coordinated with offshore developers in an Agile workflow, leading sprint planning and code reviews to accelerate delivery.

Developer Intern
Tap Series   **March 2024 – January 2025, Westlake Village, CA**
- Rebuilt a customer-facing dashboard and web platform using **HTML, CSS, PHP, and JavaScript**, reducing support tickets by **30%** through improved usability.
- Launched a real-time reporting system **(Flask + MSSQL + Matplotlib)** for a major client, improving operational visibility and decision-making.
- Partnered with senior engineers to debug and optimize backend services, reducing load times by **20%** and improving system reliability.
- Enhanced UI responsiveness and streamlined backend integrations, resulting in smoother user experiences across platforms.
- Authored technical documentation and onboarding guides, decreasing new developer ramp-up time by **25%**.

Computer Science Instructor Intern
Coding4Youth, Online   **June 2021 – August 2023, Remote**
- Delivered engaging lessons in **Python and C++**, teaching programming fundamentals to high school students.
- Developed assignments and reading lists to reinforce core programming concepts and encourage independent learning.

PROJECT

Virtual Student ID NFT System for Streamlining Issuance
California State University Channel Islands
- Built a **full-stack blockchain application** for secure student ID issuance using **React (frontend), Flask (backend), and Solidity (smart contracts)**.
- Implemented a backend service to dynamically generate ID images and metadata, securely stored on IPFS via NFT.Storage.
- Deployed and tested Ethereum smart contracts with Hardhat, enabling tamper-proof, student-owned NFT IDs.
- Integrated **MetaMask wallet authentication and decentralized verification,** ensuring secure identity management.
- Optimized architecture for cloud scalability by containerizing services with Docker and designing deployment workflows aligned with **AWS best practices**.

EDUCATION

Computer Science, M.S.
California State University Channel Islands · Camarillo · 2025

Computer Science, B.S
California Polytechnic State University · San Luis Obispo · 2019

SKILLS

Languages: JavaScript, TypeScript, Python, PHP, Java, C/C++
Frameworks: React, Next.js, Flask, Node.js, Express
Cloud & Infra: AWS, Docker, Azure, CI/CD pipelines
Databases: MySQL, MSSQL, PostgreSQL, NoSQL (MongoDB)
Tools: Git, Postman, Jest, GraphQL
Certifications: AWS Academy Graduate – Cloud Architecting (2024), AWS Academy Graduate – Machine Learning (2023)