

WITTAWAT CHAILIAB

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SUMMARY

Software Engineer with an M.S. in Computer Science and 3+ years of experience building full-stack applications, AI tools, and scalable backend systems. Proficient in React, Flask, Docker, and AWS, with a strong focus on secure, user-centered solutions and agile development.

EXPERIENCE

Developer

Tap Series

January 2025 - Present, Westlake Village, CA

- Deployed and configured Canvas LMS using Docker, integrating it with the internal platform to enhance scalability and streamline course operations.
- Developed backend services for a PDF generation system using PHP and Flask, increasing processing speed and reliability for license-based reports.
- Migrated core database components from MSSQL to MySQL, resolving integration challenges and boosting overall system performance.
- Led coordination with offshore developers and debugged payment authorization issues using the Authorize.Net API, ensuring timely releases and improving transaction success rates.

Developer Intern

Tap Series

March 2024 - January 2025, Westlake Village, CA

- Redesigned and rebuilt key areas of a customer-facing web platform—including the dashboard—using HTML, CSS, PHP, and JavaScript, which improved user experience and reduced support inquiries by over 30%.
- Developed and launched a real-time reporting system for a major client using Python (Flask), MSSQL, Jinja2, and Matplotlib, enhancing data accessibility and operational visibility.
- Collaborated with senior engineers in an Agile workflow to debug and optimize features, resulting in a 20% faster development cycle and smoother project delivery.
- Improved UI responsiveness, streamlined backend integration, and authored technical documentation, boosting user satisfaction and reducing developer onboarding time.

Computer Science Instructor Intern

Coding4Youth, Online

June 2021 - August 2023, Remote

- Delivered engaging curriculum through diverse methods of classroom instruction, computer lab activities and online learning systems.
- Created clear, engaging lessons to draw interest and develop students' to program in Python and C++.
- Compiled reading lists and other relevant assignments to bolster student understanding of class concepts.
- Integrated UI testing into curriculum to enhance students' practical skills, using Selenium to identify software bugs in weekly coding assignments.

PROJECT

Virtual Student ID NFT System for Streamlining Issuance

California State University Channel Islands

- Designed and developed a full-stack blockchain system for issuing personalized student ID NFTs using React, Flask, and Solidity.
- Developed a Flask backend to generate student ID images and metadata, storing assets securely on IPFS via NFT.Storage.
- Developed and deployed Ethereum smart contracts with Hardhat and Solidity to mint tamper-proof, student-owned NFTs.
- Integrated MetaMask wallet support and decentralized identity verification for real-time blockchain event check-ins.

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

React, JavaScript, TypeScript, HTML, CSS, Tailwind CSS, UI/UX Development, Jest, Responsive Design, REST APIs, Next.js, Python, Flask, PHP, Node.js, Express, SQL , REST API Development, Docker, AWS, Git, CI/CD, Linux (Ubuntu), Postman, Grafana, Nginx, Agile Development, Unit Testing, Technical Research, AI/ML
