

# AKKARAPHON WORAKLEEB

SOFTWARE ENGINEER / FINTECH / DATA ANALYST (INTERN)

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📅 Internship Availability: (11 Months) 5 May 2026 - March 2027📍 Bangkok



## ABOUT ME

Third-year Mathematics & Computer Science student passionate about Fintech. A proactive learner leveraging strong logical foundations and AI tools to rapidly adapt and build efficient full-stack solutions (Golang/Next.js). Dedicated to building custom applications that solve personal challenges, optimize trading disciplines, and digitize business workflows. Seeking Internship.

## EDUCATION (2566 - NOW)

KING MONGKUT'S UNIVERSITY OF TECHNOLOGY NORTH BANGKOK - Bachelor of Science Program in Mathematics with Computer Science

**Relevant Coursework:** Math for Machine Learning, Math for AI, Linear Algebra, Graph Theory, Data Structures & Algorithms, SA, Software Eng, OOP, Web Application, Database Management

## PROJECTS

**MMRRDiKub Trade Risk Management Platform | Golang, Next.js, PostgreSQL, Docker, REST API** (Independent Project)

- Custom Fintech Architecture: Golang/Next.js platform featuring an extensible Position Sizing Calculator with Multi-TP/SL and Futures fees, allowing for continuous, user-driven feature iterations based on live trading.
- Algorithmic Logic & Analytics: Engineered an "AI Trade Score" to validate setups (R:R, Risk%) and prevent emotional trading. Integrated Binance API and PostgreSQL for a comprehensive Trade Journal (PnL, CSV export).
- Deployment: Containerized via Docker and deployed to a live <https://mmrrdikub.xyz/> (purchased via Crypto)

**Seminar Research Topic: Flash Boys 2.0 Blockchain & Financial – DEX Market Structure & MEV** (Coursework: Seminar)

- Vulnerability Analysis: Researched Ethereum Smart Contracts and Mempool to identify DEX structural flaws.
- Arbitrage & MEV Logic: Dissected Arbitrage Bots, Front-running, and Gas Auctions for predatory trade insights.
- Technical Communication: Synthesized complex Cryptoeconomics into a 20-min talk; aced technical Q&A session.

**Smart Health Service System (Maharat Nakhon Ratchasima Hospital) | System Analysis, UX/UI** (Coursework: System Analysis)

- Requirement: Consulted directly with physicians to address data loss issues in the existing Legacy System Solution Design: Designed a Centralized Platform workflow and user-friendly UX/UI using Figma
- Documentation: Delivered professional SRS and DFD specifications for stakeholder approval and implementation.

**Shoes Store E-commerce WebApplication | React.js, Nest.js, MongoDB** (Coursework: Web Application Programming)

- Full-Stack: Engineered a responsive e-commerce platform using React.js (Frontend) and Nest.js (Backend).
- Database: Implemented MongoDB for scalable product storage and built an Admin Dashboard for real-time.

**OOP Game Development:** Developed "Super Battle City" using C# (Windows Forms) to apply OOP logic. (Coursework: OOP)

**Network Simulation:** Configured DNS and IIS Web Hosting on Windows Server 2022 via VMware. (Coursework: Data Comu)

## WORK EXPERIENCE

**Business Solutions Developer | Family Retail Business (POS System) | 2024**

- Problem Solving (Self-Initiated): Started as a frontline staff (Cashier/Stock) and identified workflow inefficiencies, leading to the development of a custom POS System using C# (.NET) and SQL Server.
- System Implementation: Digitized inventory via Barcode Scanning, product photos, and SQL.
- Measurable Impact: Replaced manual logs with a real-time system, saving 70% of operational time.

**Digital Marketing & Web Developer | Smile House Rayong (Rental Property) | 2025**

- Web Development & Automation: Built a responsive website and integrated Line OA/Facebook APIs to automate lead generation, transitioning the business from offline to online.
- SEO & Content: Executed end-to-end (TikTok/YouTube) and SEO, driving 100%+ growth in organic inquiries.

## SKILLS

- Languages:** Go (Golang), TypeScript, JavaScript, SQL, C#, Python, HTML5/CSS
- Frameworks:** Next.js, React.js, Tailwind CSS, Fiber, Node.js, Nest.js, Express.js
- Databases:** PostgreSQL, MySQL, MS SQL Server, MongoDB, Redis, GORM
- Tools & DevOps:** Docker, Git/GitHub, IDE, RESTful, Postman/Swagger, JWT, Bcrypt
- Design & Analytics:** Figma (UX/UI), Power BI, Visio, System Analysis (SRS/DFD)

## CERTIFICATE

UX/UI Certificate By Association of Computing Machinery

## ACTIVITY

- Career Preparation: Jobtopgun
- Co-op Readiness: 31-hour faculty.