

IZHAN ZIKRY HAMDANI | FULL STACK DEVELOPER

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LinkedIn

GitHub

Portfolio

TECHNICAL SKILLS

Languages: JavaScript, Java, C++, Python, Rust, Solidity, Golang, PHP

Developer Tools: Git, GitHub, Docker, Cisco Packet Tracer, Postman, Remix IDE, Solana Playground, VMware, Android Studio, Visual Studio Code, Cursor AI, Nginx, Figma, Linux (Ubuntu, Kali), Burp Suite

Technologies/Frameworks: React.js, Next.js, Vite.js, React Native, Express.js, TypeScript, Hardhat, Anchor, Flutter, Prisma ORM, Blockchain, MYSQL, PostgreSQL, MongoDB, Tailwind CSS, Shadcn, Digital Ocean, Flowise AI, Laravel, FastAPI

Hardware: ESP32, Raspberry Pi, Arduino

EDUCATION

Bachelor Of Computer Science (Hons.) Netcentric Computing

2022 – 2026
UiTM Jasin, Melaka

CGPA – 3.66

EXPERIENCE

Intern | Laravel, Python, Figma, Draw.io, MySQL

2025

- Designed website layouts and user interfaces using Figma and created database ERDs with Draw.io, ensuring **clear structure and maintainable design**.
- Developed a full-stack web application using Laravel (frontend + backend), delivering **maintainable code** and ensuring user security.
- Automated repetitive tasks and data collection using Python scripts, including web scraping and data processing, **reducing manual effort by ~50%**.
- Performed User Acceptance Testing (UAT) and System Integration Testing (SIT), documenting results and ensuring **error-free deployment**

Telespector | Flowise AI Multi-Agents, Docker, Nginx, Digital Ocean

2025

- Developed a one-click Telegram scam-group detection system by leveraging Flowise AI multi-agent LLM pipeline (OpenAI + Anthropic + Groq) with a two-stage classification and verification workflow.
- Hence, achieving **90%+ consistency and cutting false positives by up to 20%**
- Deployed a full production stack on DigitalOcean with monitoring and real-time alerts, enabling **quick detection and resolution of server issues**.
- Containerized all services (frontend, backend, Flowise AI) with Docker, **reducing deployment time by 50%**.
- Configured Nginx reverse proxy to manage multiple services (frontend, backend, Flowise AI) across different ports
- Also implemented end-to-end HTTPS with a custom domain (sigmaniac.site) and SSL certificate
- Hence, **improving routing stability, and security**

POSITION OF RESPONSIBILITY

President UiTM Blockchain Association







2025

- Initiated and developed collaborations with companies and other universities, successfully **securing sponsorships** and expanding the association's reach and resources.
- Guided club members to achieve top placements in various blockchain competitions, showcasing strong collaborative skills, technical expertise, and a drive for success.

CERTIFICATIONS

- AWS Certified Solutions Architect – Associate
- CCNA: Introduction to Networks

PROJECT

BlockCash  <u>React Native, React Native NFC, Solidity, Remix IDE, WalletConnect</u>	2024
<ul style="list-style-type: none">• Developed a React Native mobile app with NFC integration to enable physical allowance spending backed by blockchain.• Designed and deployed Solidity smart contracts using Remix IDE to securely lock and release ETH upon NFC scans.• Integrated WalletConnect and implemented an anonymous ETH claim flow, abstracting complex Web3 interactions for users.• Top 5 Finalist, Manta Network Winner, Scroll Consolation Prize, Pool Prize Winner at EthKL• Secured over USD 10,000 in total prize winnings.	
Blocknogotchi  <u>Next.js, React, TypeScript, RWA, NFT, Blockchain</u>	2025
<ul style="list-style-type: none">• Built a Web3 gaming platform using Next.js, React, and TypeScript, combining physical NFC cards with NFT-backed digital monsters.• Implemented NFT and blockchain integration to enable monster ownership, evolution, trading, and on-chain battle progression.• Designed a Real-World Asset (RWA) interaction model, bridging physical collectibles with digital gameplay and on-chain verification.• 2nd Place in Scroll Open RWA Track, secured USD 5,000 in prize money.• 1st place in Scroll, The Graph, and Open Track at <u>ETH Uprising Hackathon</u>	
Medicix  <u>ESP32, MFRC522 RFID, Solidity, Eth Sepolia</u>	2024
<ul style="list-style-type: none">• Built an ESP32 + MFRC522 RFID system to read physical tags and verify medical products against on-chain records.• Developed Solidity smart contracts on Ethereum Sepolia to mint and manage physical NFTs, enabling counterfeit detection and user reward logic.• Integrated IoT device events with blockchain transactions, debugging timing, connectivity, and data consistency issues between hardware and smart contracts.• Won Scroll Track, Blockchain for Good Track, and Devcon Track at Devmatch Hackathon• Awarded Devcon Bangkok ticket, USD 599	
ZakatChain  <u>Next.js, React, TypeScript, Token, Stable Coin, NFC</u>	2024
<ul style="list-style-type: none">• Designed a token-based zakat tracking system using Next.js, React, and TypeScript, providing a real-time dashboard for transparent monitoring of zakat and donations.• Implemented a Zakat Token (ERC-20 / stable-coin-based) distribution model to track zakat flows across collection and disbursement without replacing existing fiat payment systems.• Adapted the MyKasih distribution model, enabling zakat recipients to spend via NFC-enabled IC cards, transferring tokens directly to registered merchant accounts.• 1st Place in Domain 1 Enhancing Charity & Donations through FinTech & Technology, awarded MYR 7,500	
GlassFund  <u>Raspberry Pi, Pi Camera Module, Machine learning, YOLO, FastAPI</u>	2025
<ul style="list-style-type: none">• Built a donation tracking platform where goods are minted as NFTs and their locations updated on-chain using Raspberry Pi + Pi Camera Module at each transit stop.• Implemented QR code scanning and ID-based location updates, enabling donors to track donations across multiple countries in real time.• Applied machine learning with YOLO to detect and verify items during transit, ensuring accurate location and status updates.• Top 10 Finalist in FinTech & Blockchain Track at Varsity Hackathon	
TeleSpectrom  <u>Vite.js, Express.js, React, LLM, AI</u>	2024
<ul style="list-style-type: none">• Developed a real-time scam detection bot using Vite.js, React, and Express.js, safeguarding users from phishing and fraudulent messages.• Integrated LLM-based AI models to classify messages with high accuracy, and specificity to minimize false positives.• 2nd Runner-Up at GodamLah Hackathon, awarded MYR 1,000	