IZHAN ZIKRY HAMDANI | FULL STACK DEVELOPER

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

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 🔗 | React Native, React Native NFC, Solidity, Remix IDE, WalletConnect   **2024**
- 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 🔗 | Next.js, React, TypeScript, RWA, NFT, Blockchain   **2025**
- 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 ETH Uprising Hackathon**

Medicix 🔗 | ESP32, MFRC522 RFID, Solidity, Eth Sepolia   **2024**
- 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.
- **Scroll Track Winner, Blockchain for Good Track Winner, Devcon Track Winner (awarded Devcon Bangkok ticket, USD 599 value) at Devmatch Hackathon**

TeleSpectrom 🔗 | Vite.js, Express.js, React, LLM, AI   **2024**
- 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, balancing sensitivity and specificity to minimize false positives.
- **2nd Runner-Up at GodamLah Hackathon, awarded MYR 1,000**

GlassFund 🔗 | Raspberry Pi, Pi Camera Module, Machine learning, YOLO   **2025**
- 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**

SmartGym 🔗 | ESP32, DHT11, L298N, DC Motor, RFID-RC522   **2024**
- Developed a gym monitoring app using ESP32, tracking temperature with DHT11 sensors and controlling HVAC simulated via DC motor + L298N.
- Implemented RFID-RC522 access control to log gym user entries and maintain historical usage data.
- Built real-time dashboards to allow gym owners to monitor and adjust environmental conditions and user flow.
- Best IoT Project of the Semester