

MUHAMMAD NUH

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SUMMARY

A detailed-oriented information technology with programming experience in web-based is seeking for a full-time entry-level position related to web development in your organization. Core competencies include using tools like nvim and can work independently with minimal guidance.

WORK EXPERIENCE

SKC EDUCATION SDN BHD

Fullstack Web Developer

Oct 2025 - Present

- Redeveloped and optimized the company website using Next.js, Tailwind and PostgreSQL, focusing on performance, scalability, and modern UI/UX improvements.
- Migrated legacy system to a modern stack with optimized data handling using PostgreSQL.
- Improved SEO performance and accessibility compliance through modern web standards.

SKILLS

- Programming Languages: **Golang, Python, Typescript, Javascript, Bash, HTML, CSS, PHP**
- Frameworks & Libraries: **Next.js, React, Node.js, Express**
- CMS: **Wordpress, Drupal, Hugo, PayloadCMS**
- Database: **PostgreSQL, SQLite, MySQL**
- Developer Tools: **Neovim, Tmux, Git, Docker, pnpm & npm**
- Web Servers: **Nginx, Apache, Caddy**
- Operating Systems: **Windows, Linux (Arch, Ubuntu, Debian)**
- Cloud & Infrastructure: **AWS S3, EC2, Cloudfront, Vercel**
- Others: **System administration, Network configuration, Server optimization, Input sanitization & security hardening**

PROJECTS

PrayerTime Calculator (Go, TUI, SQLite)

GitHub: github.com/hexrogue/PrayerTime

- Built a terminal-based prayer time calculator using astronomical formulas (solar declination, equation of time) without relying on external APIs.
- Implemented interactive TUI using Bubble Tea with full keyboard navigation and offline capability.
- Validated calculation results against official Malaysian prayer time sources for accuracy.
- Focus: mathematical correctness, system design, and low-dependency architecture.

City2Coordinates (Go, SQLite, OpenStreetMap)

Github: github.com/hexrogue/city2coordinates

- Developed a lightweight geocoding tool to convert Malaysian cities and districts into latitude and longitude data.
- Integrated OpenStreetMap Nominatim API with rate-limiting and local caching into SQLite for offline-first usage.
- Designed as a data preparation pipeline for location-aware systems such as prayer time calculation.

Xray Workers (Cloudflare Workers, TypeScript, D1)

GitHub: github.com/hexrogue/xray-worker

- Built a serverless VLESS proxy management system using Cloudflare Workers and D1 database.
- Implemented basic user subscription logic without managing traditional VPS infrastructure.
- Focused on scalability, minimal operational overhead, and edge-based networking.

LANGUAGES

- Malay - Fluent
- English - Intermediate