

# MUHAMMAD NUH

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## SUMMARY

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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

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### 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

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- 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

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### PrayerTime Calculator (Go, TUI, SQLite)

GitHub: [github.com/hexrogue/PrayerTime](https://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/hexroque/city2coordinates](https://github.com/hexroque/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/hexroque/xray-worker](https://github.com/hexroque/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**

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- Malay - Fluent
- English - Intermediate