

## Muhammad Najmuddin Bin Amdan

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### Working Experience

#### Uni Enrol

Subang Jaya, Selangor

Web Developer

January 2024 – Present

- Lead database migration for postgres production using AWS Blue/Green Deployment
- Developed User Management REST API with Node.js (Koa Framework), Typescript, Docker, PostgreSQL, and EC2 for online education platforms
- Implement Object-Oriented Programming (OOP), Design Pattern, Test Cases using Jest and REST API documentation using Swagger and OpenAPI in backend development processes
- Supported the development of new features such as User Authentication & Authorization, Role-Based Access Control (RBAC), Content Management System (CMS), and Student-Counsellor Engagement Platform (Next JS) by building, integrating and designing APIs.
- Reduced deployment time for the APIs by building CI/CD to automate deployment processes using Github Actions, ECR and EC2

#### Pos Malaysia Berhad

Kuala Lumpur

Junior Backend Engineer

August 2023 - December 2023

Backend Engineer Intern

March 2023 – July 2023

- Participate in project modernization development by developing RESTful APIs for new POS systems using Golang (Echo Framework), PostgreSQL, MongoDB, Redis, Postman, AWS S3 and AWS Lambda
- Develop news feed feature for Pos Malaysia Berhad internal employee to get latest news, promo or update about company
- Contribute in project planning and meeting with third party services and integrating third party API using XML and SOAP API
- Participate in code reviews and walkthrough of technical specifications with other members of the team
- Work closely with Frontend, Product and QA team to troubleshoot and resolve technical issues during testing
- Maintained documentation for backend processes and functionalities using GitLab and Confluence
- Experienced with CI/CD using Jenkins and Agile principles

#### Tarikemas Dot Com

Kuala Lumpur

Junior Web Developer (Part Time)

August 2022 - Oct 2022

- Developed HR Management System web application system using Laravel, CSS, HTML, Javascript, JQuery and MySQL with multiple key features such as employee profiles, leave management and attendance tracking
- Actively participated in all phases of the software development lifecycle (SDLC), including requirement gathering, project planning, and sprint reviews. Attended regular meetings with internal teams and clients to understand business needs, provide technical input, and align project goals with client expectations
- Tracked and managed project tasks and deliverables using Azure DevOps, ensuring timely progress updates and adherence to deadlines. Collaborated with cross-functional teams to address blockers and continuously improve development workflows
- Contributed to team code quality through code reviews on Gitlab. Offering constructive feedback and ensuring adherence to coding standards and best practices

## Education

### Universiti Teknologi Mara (UITM)

Bachelor of Information Systems (Hons.) Information Systems Engineering

Cumulative GPA: 3.44

*Jasin, Melaka*

*April 2021 - July 2023*

### Universiti Teknologi Mara (UITM)

Diploma in Computer Science

Dean's List, Cumulative GPA: 3.48

*Jasin, Melaka*

*July 2018 - Dec 2020*

## Highlighted Technical Skills

**Language & Framework:** Node.js, TypeScript, Golang, PHP, Next.js, HTML, CSS

**Databases:** Postgres, MySQL, MongoDB

**Cloud & DevOps:** AWS S3, AWS Lambda, AWS EC2, AWS ECR, AWS Blue/Green Deployment, Docker, Github Actions, CI/CD

**Tools:** Dbeaver, PGAdmin, Docker Desktop, WSL, Ubuntu, Linux, Postman, Swagger

## Projects

### Hadis Today - <https://hadis-today.vercel.app>

- Web application that contains a daily Islamic hadith that fetches data from external hadith API
- Frontend-only web application, hosted on Vercel platform
- Built using Next.js, React, Node.js, Javascript and Typescript to fetch daily hadith and display it simple browser
- Implemented interactive web application with mobile-friendly user interface to improve user experience in browsing the web application

### Apa Hukum Bot - [t.me/ApaHukumBot](https://t.me/ApaHukumBot)

- Bot that will answer modern islamic questions about Islamic ruling or fatwa through Telegram Bot
- Developed using Golang and Telegram BotFather. Deployed in a free open source hosting platform.
- Implemented web scraping features to scrape data from Jabatan Mufti Wilayah Persekutuan to get a list of trusted fatwa & ruling
- Implemented cron job within the app to scrape a list of new hadith from Jabatan Mufti Wilayah Persekutuan monthly

## Leadership & Activities

### JomLaunch

#### Crew & Committee

- Participate in meeting, planning and organizing JomLaunch programme
- Finding startups & technology projects to pitch their products in JomLaunch
- Acted as point-of-contact for attendees, helping them navigate the venue, schedules and sessions
- Provided technical and operational support to speakers and participants during workshops, demos and live presentations

*Kuala Lumpur*

*2022 & 2023*

### Faculty of Science Computer and Mathematics UITM Jasin

#### Faculty Student Secretariat (SMF)

- Acted as a liaison between students and faculty
- Assisted in planning and execution of faculty-level academic and co-curricular programs such as talks, competitions and career-related events

*UITM Jasin*

*2022*