

# Muhammad Daffa Satria Negara

## Junior Full Stack Developer

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Currently studying S1 major in Information Technology at Universitas Negeri Yogyakarta. proficient in fullstack web development, working as both a front-end web developer and a backend developer. Additionally, have a good understanding of UI/UX design. have strong teamwork and time management skills, and can collaborate effectively with others, even under pressure. currently seeking opportunities in Software Developer, Front-end web developer, Back-end developer, and Full-stack web developer.

## EDUCATION

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### **Final Year, Information Technology Student, Universitas Negeri Yogyakarta** *2021 – present*

- Current GPA: 3.78/4.00 (144 Credits)
- During my study period, I have worked on several website development projects. This project used to fulfill the final project in my courses. Apart from that, I also understand programming languages such as JavaScript, Java, Python, and others.

### **Cloud Computing Cohort, Bangkit Academy 2024 By Google, GoTo, Tokopedia, Traveloka** *September 2024 – December 2024*

Participated in the MSIB program at Bangkit Academy, organized by the Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi (Kemendikbud Ristek), with a 4-month study period. Selected from 45,841 applicants across Indonesia, among 4,636 participants.

- Acquired proficiency in Cloud Computing technologies using Google Cloud Platform (GCP) through study, covering courses on Basic Web Development, Google Cloud Computing Foundations, Google Cloud Engineer, DevOps Engineer, Site Reliability Engineering (SRE), Basic JavaScript, and more.
- Collaborated with the WiraDana team to develop a website designed to help UMKM owners connect with individual or corporate investors. This project was instrumental in qualifying for the capstone project.

### **Bootcamp Full Stack Web Developer, Rakamin Academy** *August 2023 - January 2024*

Participated in the MSIB program at Rakamin Academy, organized by the Kementerian Pendidikan, Kebudayaan, Riset, dan Teknologi (Kemendikbud Ristek), with a 5-month study period.

- Acquired proficiency in backend development technologies during the bootcamp, including Node.js, Express.js, Docker, Unit Testing, and CI/CD. Additionally, developed expertise in frontend technologies, mastering React.js, Next.js, and various CSS libraries/frameworks such as Bootstrap, Tailwind, and Chakra UI.
- Gained expertise in Git version control for effective team collaboration in project development.
- Collaborated in developing CareerConnect, a website designed for job posting and applications, which played a pivotal role in qualifying for the final project presentation.

## EXPERIENCE

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### **Vocational Curriculum and Learning Research Group (VCL) – Contract** *July 2024 – September 2024*

Served as *Project Leader* and *Backend Developer* for the VCL team, developing an education and teacher certification website using Vue.js for the frontend and Express.js for the backend.

- Developed a backend system for frontend use, which included authentication using JWT, file management with Multer, automated certificate generation using EJS and Puppeteer, and a RESTful API to manage data such as journals, articles, news, karya guru (KG), users profile, teacher forums that emulated platforms like X/Twitter, and courses that included materials, quizzes, assignments, and grades.
- Designed and developed a relational database using DBDiagram and PostgreSQL with Sequelize ORM for backend usage.
- Implemented agile development methodologies using Trello to manage projects from the planning phase through to the development phase.

**Bangkit Academy : WiraDana – Capstone Project****November 2024 – December 2024**

Contributed as a *Fullstack Web Developer & Cloud Engineer* to the WiraDana team for the capstone project in the Studi Independen (MSIB) program at Bangkit Academy.

- Developed WiraDana, a platform enabling UMKM owners to request funding with returns for investors, built with Next.js (TypeScript), Tailwind CSS, Shadcn UI for styling, and PostgreSQL as the database.
- Designed and implemented core platform pages, including UMKM funding listings, an interactive activity feed with Instagram-like posts where UMKM can share updates (photos and captions), an investor dashboard displaying their investments and funding details, and a user profile system storing personal information (name, gender, etc.) with a bank account input section for return distribution.
- Integrated a sentiment analysis system to categorize investor comments as positive, neutral, or negative, enhancing engagement insights.
- Built a user authentication system with role-based registration, allowing users to register as either UMKM owners or investors.
- Deployed and managed cloud infrastructure on Google Cloud Platform (GCP), utilizing Cloud SQL for database management, Cloud Storage for media and financial report storage, Cloud Run for hosting the Next.js application, and App Engine for deploying the ML-based sentiment analysis service.

**AFEKSI.IDN – Internship****April 2024 – July 2024**

Completed an internship as a *Frontend Web Developer* at AFEKSI.IDN Startup, utilizing Laravel 10 technology and Bootstrap 5 for website styling.

- Developed an Admin Dashboard for the AFEKSI website to efficiently manage user data. The dashboard includes sections for handling orders and payments, managing articles, events, guest stars, counselors, psychology content, testimonials, and other related information.
- Redesigned the Counseling Services page to enhance user experience and facilitate access to mental health and relationship consultation services.
- Collaborated with the frontend, backend, and UI/UX teams using Notion to streamline project development and enhance communication.

**Bank BTPN Syariah X Rakamin Academy – Project-Based Internship****December 2023 – January 2024**

Completed an internship as a *Full Stack Web Developer* at bank BTPN Syariah through the Rakamin Project-Based Internship Program.

- Developed a Vue.js Project to Consume CRUD API for To-Do Using Axios, JSON-Server, and Bootstrap Library for Website Styling.
- Developed a REST API in Go to seamlessly manage user authentication and photo management.
- Designed and Developed a Relational Database Using DBDiagram and PostgreSQL for Back-End Usage.

**Rakamin Academy : CareerConnect – Final Project****December 2023 – January 2024**

Contributed as a *Full Stack Web Developer* to the CareerConnect Team for the final presentation project in the Studi Independen (MSIB) program at Rakamin Academy. The project was awarded "Best Project" in the MSIB program at Rakamin Academy, outperforming 10 other teams.

- Created RESTful API for the job seekers profile page, implementing functionalities for GET, UPDATE, and DELETE using Node.js and Express.js.
- Developed the user interface for the job seekers profile page using Next.js and Chakra UI for website styling.
- Utilized Git and Trello for effective team collaboration.

**SKILLS**

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**Language:**

- Indonesia, native.
- English, intermediate.

**Programming Language:**

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|--------------|----------|-------|
| • HTML       | • PHP    | • SQL |
| • CSS        | • Java   |       |
| • Javascript | • Python |       |
| • Typescript | • Go     |       |

**Frameworks:**

- React.js
- Next.js
- Vue.js
- Laravel
- Node.js
- Express.js
- Hapi
- Tailwind CSS
- Chakra UI
- Bootstrap
- Shadcn/ui

**Software:**

- Visual Studio Code, GIT
- MySQL Workbench, pgAdmin 4, Wampserver, Postgresql, Postman
- Google Environment, Microsoft Office
- Trello, Notion
- Canva, Figma, ibisPaint
- Google Cloud Console

**Skill:**

- Web development
- Front-end Web developer
- Back-end developer
- UI/UX Design
- Graphic Design
- Communication
- Collaboration with others
- Public Speaking
- Critical thinking