

MUHAMMAD NAUFAL PRATAMA

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Highly passionate about the technology world with a bunch of experiences in website and software development especially on backend side with the ability to teach as well as system programming and game development for hobbies

EXPERIENCES

Generasi GIGIH 2.0

Backend Engineering Track

Kampus Merdeka

Feb 2022 - Present

- Participate and gain a lot of insight in [Generasi GIGIH 2.0](#) program held by Yayasan Anak Bangsa Bisa, (YABB). Taking the Backend Engineer track and learning about Ruby, MVC, OOP, TDD, and much more through online courses and a capstone project.

Internship

Fullstack Engineer Intern

UPT Perpustakaan UNDIP

Feb 2022 - Present

- Work eagerly as a full-stack engineer to develop an automated mail template platform for helping library staff write an office letter without manually writing it through a word editor. Tech stack used: Laravel, Bootstrap, Redis, RabbitMQ, Heroku. [Preview page here!](#)

IEEE SB-Undip Organization

Web Division Committee

Universitas Diponegoro

July 2021 - May 2022

- Construct and manage [IEEE SB-Undip](#) the website using WordPress and coordinate website development training named IWT (IEEE Website Training).

Mulo

Backend Engineer

Wonosobo

Feb 2021 - Present

- Develop backend API intensively and also the [android app](#) for [Mulo](#), which is a startup company focusing on empowering UMKM in Indonesia by providing an application that can help manage UMKM activities and finances using blockchain technology, using NodeJS, SailsJS, Kotlin, Git, and Heroku as the tech stacks.

Azura Labs

Backend Engineer Intern

Semarang, Jawa Tengah

Jan 2021 - Mar 2021

- Develop backend REST API using Laravel for a web-based project called 'Butiko', which contains articles and activities carried out by the '[Butiko](#)' community.

Lab Assistant

Fundamental of Programming Lab Assistant

Universitas Diponegoro

Aug 2020 - Des 2020

- Educate and enlighten students about the fundamental of programming with functional as the paradigm and Python as the programming language.

EDUCATION

Universitas Diponegoro

Majoring in **Informatics** GPA: 3.84

Taking specialize in software engineering and system programming.

Semarang, Jawa Tengah

2019 - 2023 (Expected)

PROJECTS

COBLOS *Laravel, Bootstrap, Git*

[COBLOS](#)

Contribute as the backend programmer in developing a survey web-based application that helps companies or individuals manage their surveys.

Siperpus *Laravel, SailsJS, Bootstrap, Git*

[sisperpus](#) | [API](#)

Give an extraordinary contribution as the backend programmer for this project and great teamwork. Siperpus is a library management system developed using Laravel.

Anforom 2021 *Laravel, JavaScript, Github*

[Anforcom](#)

Took charge as a backend programmer in creating, developing, and maintaining Anforcom's website, which is a competition and seminar that is held annually by the HMIF Undip.

Mulo *NodeJS, SailsJS, Kotlin, Git*

[Mulo](#)

Develop backend API intensively for Mulo, which is a startup company focusing on empowering UMKM in Indonesia by providing an application that can help manage UMKM activities and finances using blockchain technology

Software Defect Prediction *Python*

[Paper](#)

Research and explore in-depth defects in software using machine learning and deep learning algorithms such as CNN, LSTM, and Random Forest from the experiments until journal publications.

RS NUMedika *HTML, CSS, JavaScript*

[RS NUMedika](#)

Improve the frontend landing page website for RS NUMedika Wonosobo.

CERTIFICATIONS & COURSES

Text Retrieval and Search Engines

University of Illinois offered through Coursera

Digest knowledge about information and text retrieval and grasp how a search engine works. *Aug 2021*

Belajar Membuat Aplikasi Back-End untuk Pemula

Dicoding Indonesia

Graduate marvelously on how to implement RESTfull API using HapiJS, a NodeJS framework for creating API.

Jun 2021

Belajar Dasar Pemrograman Javascript

Dicoding Indonesia

Succeeded learn and implementing JavaScript fundamental for web development.

May 2021

Belajar Dasar Pemrograman Python

Dicoding Indonesia

Study on fundamental Python programming language.

Mar 2021

Cyber Security Essential

Cisco Networking Academy

Having a good understanding on the tactics, techniques, and procedures used by cyber criminals in cyber security world.

Feb 2020

SKILLS

Hard Skills:	C, Rust, Python, PHP, JavaScript, Go, SQL, Laravel, NodeJS, Git, PostgreSQL, AWS Insomnia, MySQL, Heroku, Redis, RabbitMQ, Docker
Soft Skills:	Analytical skill and time management