

# MUHAMMAD NAUFAL PRATAMA

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A highly passionate engineer in the technology field with lots of software engineering experience, especially on the Back-end side, with the extra capability of Full-stack, DevOps, and Machine learning-related stuff.

## EXPERIENCES

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### C++ Software Engineer Intern *Internship*

Nodeflux  
August 2022 - December 2022

- Dealing against C++ in an internship as a C++ SWE intern at [Nodeflux](#). Develop two surveillance camera analytic products using Python and Docker and implement a dynamically loaded library in C++ for the final projects.
- Tech: C++, Python, OpenCV, ONNX, Vegeta, Grafana, Prometheus, Docker & Postman

### DevOps/SRE Intern *Internship*

Fita  
June 2022 - August 2022

- Having internship as a DevOps/SRE intern at [Fita \(Telkomsel's subsidiary\)](#) and Contributed to the GCP cloud armor setup and the Helm configuration, created a Terraform dependencies auto updater pipeline using Renovate, and also set up a VictoriaMetrics alerting system.
- Tech: GitLab CI/CD, GCP, Kubernetes, and Helm, Terraform, Grafana, & VictoriaMetrics

### Backend Engineer Course *Generasi GIGIH 2.0*

Studi Independen Kampus Merdeka  
Feb 2022 - July 2022

- Participate as a Backend Engineer and gain much insight into the [Generasi GIGIH 2.0](#) program held by Yayasan Anak Bangsa Bisa (YABB) and developing a trash delivery system as the final project.
- Tech: Ruby, Ruby On Rails & Git

### Fullstack Engineer Intern *Internship*

UPT Perpustakaan UNDIP  
Feb 2022 - June 2022

- Worked 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: HTML, CSS, Bootstrap, PHP, Laravel, Redis, RabbitMQ, Git & Heroku

### IEEE SB-Undip Organization *Web Division Committee*

Universitas Diponegoro  
July 2021 - May 2022

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

### Software Defect Prediction Research *University Research*

Universitas Diponegoro  
March 2021 - October 2021

- Research and explore in-depth about defects in softwares using machine learning and deep learning algorithms such as CNN, LSTM, and Random Forest from the experiments until the [paper publications](#).
- Tech: Python, Keras, NumPy, Git, Machine learning & Deep learning

### Backend Engineer Mulo *Part-time Backend Engineer*

Mulo, Wonosobo  
Feb 2021 - Aug 2022

- Contribute to both the backend API 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.
- Tech: NodeJS, SailsJS, Kotlin, PostgreSQL, Insomnia, Git & Heroku

## Backend Engineer Intern

*Internship*

Azura Labs, Semarang

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.
- Tech: PHP, Laravel, MySQL, Insomnia & Git

## Lab Assistant

*Fundamental of Programming Lab Assistant*

Universitas Diponegoro

Aug 2020 - Des 2020

- Educate and enlighten students about the fundamentals of functional programming using Python.
- Tech: Python

## EDUCATION

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### Universitas Diponegoro

Majoring in **Informatics** *GPA: 3.86 out of 4.00*

Taking a specialization in software engineering

Semarang, Jawa Tengah

2019 - September 2023 (Expected)

## PROJECTS

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### 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*

[siperpus](#) | [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.

## SKILLS

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Hard Skills:	C, C++, Rust, Python, PHP, JavaScript, SQL, Laravel, NodeJS, Postman, Heroku, Redis, RabbitMQ, Docker, Kubernetes, Helm, Terraform, GitLab CI/CD, Grafana, Prometheus, CMake, Vegeta.
Soft Skills:	Analytical & critical thinking, supportiveness, patience and time management.