Satria Nur Saputro

Web developer

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ExPERIENCES

August 2023 – Present (Jakarta)

### **BACKEND DEVELOPER, PT**. *SATKOMINDO* *MEDIYASA* (BRI SUBSIDIARIES)

* Implementing features in the NDS BRI application using Go (Golang) with the implementation of REST-API, gRPC-API, Microservices, and Nanoservices concepts.
* Developing a custom library validator to prevent duplication in each repository and ensure comprehensive information for the development team.
* Creating a cronjob scheduler to manage the process of fetching and sending data via FTP, as well as activating triggers on Message Broker, housekeeping, and required feature scenarios.
* Adapting API requests and responses to enhance application functionality.
* Implementing basic security measures on the backend to ensure optimal system security.
* Optimizing MySQL usage to improve backend performance by implementing Redis to prevent timeout issues with open connections on MySQL.

May 2023 – July 2023 (Jakarta)

### **BACKEND DEVELOPER**, *IT INTERN BOOTCAMP BRI* X *DIBIMBING*

* Developed a feedback feature in the NDS system for deployment across all branch units of BRI Indonesia, utilizing Nanoservices from Microservices architecture with API gRPC.
* Implementing SQL and Redis integration for efficient data management in backend development projects.
* Implementing validation according to the needs of the feedback feature.
* participated in a comprehensive 2-week bootcamp with guided mentorship during an internship period.

## EDUCATION

September 2019 – March 2023 (Central Java, Purwokerto) **(GPA 3,94)**

### **BACHELOR OF INFORMATICS ENGINEERING**, **TELKOM PURWOKERTO INSTITUTE OF TECHNOLOGY**

* I completed a degree in informatics with a focus on web development, database design, system implementation, and machine learning, achieving A grades in various relevant courses and publishing two academic journals. I participated in the “Campus Merdeka” program and the “AI Mastery” course at Orbit Future Academy, earning an A grade.

February 2022 – July 2022 (Jakarta)

### **BOOTCAMP ARTIFICIAL INTELLIGENCE MASTERY PROGRAM, ORBIT FUTURE ACADEMY (MSIB)**

* Studying data science, computer vision, natural language processing, and reinforcement learning.
* I collaborated with fellow students on the "Employee Feedback Analysis Using Face Recognition and a BERT-based Website" project to gain insights into the company's work environment.
* Developed a computer vision solution using the face recognition library to identify employees.
* Efficiently extracted audio from video inputs using the FFmpeg library.
* Integrated the backend system with the NLP-BERT model using Flask.
* Producing Excel report outputs for employee feedback analysis is categorized into three categories: happy, neutral, and sad.

SKILLS

*Programing Language*: Golang, JavaScript (Node.js) and Python.

*Database*: MySQL, Redis, Rabbit-MQ, Postgres-SQL, MongoDB.

*Storage*: FTP, MinIO Enterprise Object Store.

*Delivery Platform*: Docker, Liquibase, Red Hat OpenShift Container Platform, Atlassian Bamboo.

*Monitoring*: Jaeger, Kibana, SonarQube.

*Other*: Linux, Git, Bitbucket, Jira, Confluence.

*Language*: Indonesian, English.

*Soft Skill*: Innovative Thinker, Adept at Problem-Solving, Dependable and Trustworthy, Highly Professional, Meticulously Organized, Expert in Time Management, Collaborative Team Player, Quick and Effective Learner, Deeply Committed, Highly Motivated.

**CERTIFICATED**

These certifications underscore my expertise and commitment to continuous learning in technology and software development:

* Database programmer (BNSP)
* Node.Js development (Progate)
* Ai mastery (Orbit Future Academy)
* Architecting on aws (Dicoding)
* Applied machine learning development (Dicoding)

**ACHIEVEMENT**

Two scientific journal publications:

* Classification Taxonomies Genus of 90 Animals Using Transfer Learning Resnet-152 ([Sinta 1](https://doi.org/10.21512/commit.v18i1.9482))
* Clickbait News Headline Classification Using RNN-LSTM ([Sinta 3](http://dx.doi.org/10.30591/jpit.v7i2.3401))