

# BOY SUGIJAKKO

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## ABOUT ME

A dedicated, hardworking, responsible, and loyal individual with 4 years of experience working, developing, and maintaining web applications as a System Analyst. Committed to continuous learning and professional development with a passion for technology. Keen on sharing knowledge and best practices with colleagues.

## EXPERIENCE

### OCT 2022 – PRESENT

#### SENIOR SYSTEM ANALYST, BINA NUSANTARA IT DIVISION

- Enhance and maintain an application used to support online and onsite examination process in Bina Nusantara University.
- Enhance and maintain an application used to support student grading process in Bina Nusantara University.
- Resolve technical difficulties encountered by students and staff during examinations.
- Collaborate with programmers to develop API used in applications.
- Manage application development and enhancement timeline.
- Optimize existing applications to improve user experience and reduce system load.
- Provide documentation (Data Flow Diagram, Entity Relationship Diagram, and Deployment Documents)

### OCT 2021 – OCT 2022

#### SYSTEM ANALYST, BINA NUSANTARA IT DIVISION

- Develop and maintain an application used to control access to Bina Nusantara University campuses in response to the COVID-19 pandemic.
- Maintain an application used to support online examination process in Bina Nusantara University.
- Debug, fix, and enhance SQL Stored Procedures used in application to fetch data from database.
- Analyze requirements based on user needs.
- Collaborate with programmers to develop new features on existing applications.
- Collaborate with programmers to enhance applications to fit new user needs.
- Trace errors caused by incorrect data on database.

### MAR 2020 – OCT 2021

#### JUNIOR SYSTEM ANALYST, BINA NUSANTARA IT DIVISION

- Assist seniors on solving application errors.
- Assist users with problems with application usage.
- Assist seniors in maintaining an application used to support online examination process in Bina Nusantara University.
- Collaborate with programmers to debug applications.

## EDUCATION

**JUN 2022 – SEP 2023**

**MS IN COMPUTER SCIENCE**, BINA NUSANTARA UNIVERSITY (**3.9 GPA**)

**Thesis title:** “Lightweight Face Recognition-Based Portable Attendance System With Liveness Detection”

**DOI:** 10.1016/j.iot.2024.101089

**SEP 2018 – JUN 2022**

**BS IN COMPUTER SCIENCE**, BINA NUSANTARA UNIVERSITY (**3.74 GPA**)

**Thesis title:** “Masked Face Recognition for a Lightweight School Attendance Management System during COVID-19 Pandemic”

**DOI:** 10.24507/icicelb.15.01.11

## SKILLS

- SQL
- Python
- Machine Learning
- Computer Vision
- Django
- Docker
- System Testing
- System Analysis
- Internet of Things
- Flask

## PROJECTS

### **SUKAJASTIP.COM**

A comprehensive shopping assistance service designed to streamline the process of accessing millions of products from various marketplace platforms in China.

As the developer for Sukajastip.com, my responsibilities included:

- **Reporting:**  
Utilized Microsoft Power BI to develop a dashboard consisting of several charts to provide insights on the business's performance.
- **Web Scraping Service:**  
Developed a robust web scraping service utilizing Scrapy and Playwright to efficiently gather data from external websites.
- **Website Development:**  
Built the website using Django, ensuring a user-friendly interface and seamless navigation for an enhanced shopping experience.
- **Admin Panel Development:**  
Created an intuitive admin panel for internal usage, facilitating efficient management and oversight of platform activities.
- **Infrastructure Management:**  
Configured Docker Containers to streamline and manage the infrastructure effectively.
- **Database Deployment:**  
Deployed a MySQL database to support data storage and retrieval processes.
- **Search Engine Implementation:**  
Deployed Elasticsearch to enhance the platform's search engine capabilities, optimizing product discovery for users.
- **Uptime Monitoring Service:**  
Established an uptime monitoring service using Kuma on a Raspberry Pi, ensuring the platform's reliability and performance.

- **SEO Optimization:**

Implemented SEO best practices to enhance the platform's visibility on search engines, improving organic search rankings and driving increased traffic.

### **STOCKS4U.ONLINE**

A web application designed to facilitate the analysis of stocks in Indonesia, providing users with comprehensive tools for informed investment decisions.

As the developer for stocksforu.online, my responsibilities included:

- **Web Scraping Service:**

Developed a robust web scraping service utilizing Scrapy and Selenium to efficiently gather data from various websites, ensuring accurate and up-to-date information for stock analysis.

- **Website Development:**

Built the website using Django, focusing on creating a user-friendly interface and seamless navigation to enhance the overall user experience.

- **Admin Panel Development:**

Created an intuitive admin panel for internal usage, streamlining management tasks and providing oversight of platform activities for effective decision-making.

- **Database Deployment:**

Deployed a PostgreSQL database to support robust data storage and retrieval processes, ensuring the reliability and scalability of the platform.

- **Job Scheduler:**

Implemented a Job Scheduler for automated data processing, enabling the generation of support and resistance levels and daily stock recommendations. This automation enhances efficiency and ensures timely updates.

- **Payment Integration:**

Integrated a secure payment gateway to facilitate monthly subscription payments, allowing users to access premium features and services.