

BOY SUGIJAKKO

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ABOUT ME

A dedicated, hardworking, responsible, and loyal individual with 3 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

MA 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

BA 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/icipelb.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:

- **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.