

# Boy Sugijakko

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## Summary

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Software Engineer with 4+ years of experience in full-stack web development, system analysis, and data reporting. Proficient in Python, SQL, JavaScript, and Docker, with strong skills in API design, deployment automation, and data visualization. Known for problem-solving, cross-functional collaboration, and delivering production-ready systems.

## Experience

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### Data Analyst

*OneBYONE Logistical, Jul 2024 – Present*

- Designed and optimized reports using SQL, Excel, Power BI, and CargoWise.
- Created interactive Power BI dashboards for cross-departmental decision-making.
- Collaborated with clients to gather requirements and validate data.
- Produced ERDs, system diagrams, and API documentation.
- Contributed to system architecture and database design discussions.
- Held in-person meetings with Singapore clients to clarify requirements.

### Senior System Analyst

*Bina Nusantara IT Division, Oct 2022 – Jun 2024*

- Maintained and enhanced applications for both online and onsite university examinations.
- Managed and improved systems for student grading, ensuring accuracy and reliability.
- Resolved technical issues encountered by students and staff during exams.
- Designed and implemented APIs in collaboration with the development team.
- Oversaw timelines and managed enhancement schedules for application development.
- Optimized stored procedures to improve performance and reduce server load.
- Created detailed documentation including DFDs, ERDs, and deployment guides.

### System Analyst

*Bina Nusantara IT Division, Oct 2021 – Oct 2022*

- Developed and maintained a campus access control application in response to COVID-19.
- Maintained online examination systems and improved stored procedure performance.
- Conducted requirement analysis and translated user feedback into technical updates.
- Collaborated with developers to implement new features and enhancements.
- Investigated and resolved database-related errors to ensure data integrity.

## Junior System Analyst

*Bina Nusantara IT Division, Mar 2020 – Oct 2021*

- Assisted senior analysts in diagnosing and resolving application issues.
- Provided user support and responded to application-related technical inquiries.
- Contributed to maintaining systems supporting online examination workflows.
- Collaborated with developers to test, debug, and deliver application features.

## Education

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### M.A. in Computer Science

*Bina Nusantara University, Jun 2022 – Sep 2023*

*GPA: 3.90*

*Thesis: "Lightweight Face Recognition-Based Portable Attendance System with Liveness Detection"*

### B.A. in Computer Science

*Bina Nusantara University, Sep 2018 – Jun 2022*

*GPA: 3.74*

*Thesis: "Masked Face Recognition for School Attendance during COVID-19"*

## Skills

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- **Programming:** Python, C++, JavaScript, Dart (Flutter)
- **Web Dev:** Next.js, Flask, Django, Laravel, Flutter, Figma
- **Databases:** PostgreSQL, MySQL, MS SQL, MongoDB, Cosmos DB
- **Data/Analytics:** Power BI, Excel, Matplotlib, Plotly
- **ML/CV:** TensorFlow, OpenCV, Pandas, NumPy, OCR, Face/Object Detection
- **DevOps:** Docker, GitHub, GitHub Actions
- **QA/Docs:** Selenium, Playwright, Postman, Documentation Writing
- **Embedded/IoT:** Raspberry Pi, IoT Prototyping

## Projects

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### Penny Tracker - *Personal finance tracking web app*

- Built with Next.js and Flask; deployed on DigitalOcean via Docker.
- Integrated Google OAuth, PostgreSQL backend, and a dashboard with charts.
- Enabled data input via forms or Excel upload; uptime monitored with Kuma on Raspberry Pi.

### Sukajastip - *Shopping assistant for importing from Chinese marketplaces*

- Developed with Django, Scrapy, and Playwright; containerized using Docker.
- Implemented Elasticsearch for product search and SEO optimization.
- Built internal admin panel and uptime monitoring with Kuma.

### Stocks4U - *Stock analysis platform for Indonesian equities*

- Created with Django and Selenium to scrape and process stock data.
- Integrated PostgreSQL, a job scheduler for daily signals, and payment gateway for subscriptions.