

CHRISTOPHER AARON WIDODO

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SUMMARY

Software Engineer specializing in building secure, automated systems for high-scale financial infrastructure at Indonesia's leading bank. Expert at architecting both robust backend services and responsive user interfaces, with practical experience implementing AI-driven automation. Leverages a professional background in Cyber Incident Management to engineer production-ready code that is secure by design and highly resilient.

Committed to technical excellence in remote development environments through the efficient use of Docker and Git.

EXPERIENCE

Officer Development Program - Information Technology (ODP IT)

PT Bank Mandiri (Persero) Tbk.

Jan 2025 - now, Jakarta

- Engineered and deployed automated security tools and internal backend services using Python and FastAPI to streamline incident response workflows within a high-scale financial environment.
- Integrated Large Language Models to automate the analysis of security datasets, significantly reducing manual overhead and increasing the speed of threat intelligence processing.
- Managed and optimized containerized development environments using Docker and Git.
- Managed real-time threat detection, triage, and analysis for high-scale financial infrastructure, ensuring rapid incident containment and comprehensive vulnerability tracking within the Security Operations Center (SOC).

Chief Information Security Officer (CISO) Intern

PT Bank Mandiri (Persero) Tbk.

Feb 2024 - Jun 2024, Jakarta

- Developed a MERN stack dashboard application, creating an MVP for enhanced data visibility and coordination within a subset of CISO teams, with scalability plans for over 20 teams.
- Structured and secured sensitive banking data within the application development, ensuring compliance with industry regulations and enhancing data integrity and protection.
- Excelled in backend development efforts, collaborating seamlessly with frontend developers and stakeholders to deliver a powerful dashboard application, demonstrating exceptional teamwork skills.
- Reviewed technical operational guidelines using CIS benchmarks, evaluating a comprehensive set of 1500+ parameters.
- This initiative significantly strengthened IT security measures and fortified risk management protocols.

Software Engineer Intern

Universitas Sebelas Maret

Sep 2022 - Feb 2024, Surakarta

- Developed web applications for school administration (Laravel) and ERP management (React + Golang), as both frontend and backend engineer.
- Awarded as one of the top 6 interns for consistently exceeding expectations with high-quality work and met deadlines within a competitive cohort of 40 (organized in teams of 8).
- Worked well with others while also getting my own tasks done, ensuring smooth project progress.
- Effective implementation of agile/scrum sprint methodology using Trello.
- Utilized Docker containers for local development and testing, ensuring consistent build and deployment processes.

Data Scientist Intern

Startup Campus

Aug 2022 - Dec 2022, Surakarta

- Led the development of machine learning models for customer churn and segmentation using Python within the MSIB Kampus Merdeka Studi Independen program, collaborating with a diverse team of 4 UI/UX designers and 5 data scientists.
 - Conducted comprehensive Exploratory Data Analysis (EDA) and feature engineering, optimizing models for high accuracy and valuable insights into customer behavior.
 - Collaboratively developed a comprehensive 3-page dashboard using Google Data Studio and Google BigQuery.
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EDUCATION

B.S. in Computer Science

- Universitas Sebelas Maret • 2020 – 2024 • 3.89 / 4.00 (Best Graduate)
- Staff in the UNS Informatics Student Association 2021-2022
 - Management at the 2021 Technology and Information Week Event (P!NGFEST 2021).
 - Teaching Assistant at Object-Oriented Programming Class using Java Programming Language.
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SKILLS

- Backend Development: Laravel, Express.js, Golang (Go), Python
- Frontend Development: Next.js, React, HTML & CSS, Tailwind
- Databases: SQL, NoSQL
- Tools: Git/GitHub, Docker
- Languages: Indonesian (Native), English (Advanced), Japanese (Conversational)
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