



ZULFIKAR AHMAD ALIANSYAH

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Depok, West Java, Indonesia

Recent Informatics graduate from President University, with interest in machine learning, computer vision, full stack development, and software development. Recognized for leadership, fast learner, problem-solving, critical and creative thinking.

Experiences

PT Bank SMBC Indonesia Tbk - South Jakarta, Indonesia

Feb 2025 - Present

System Administration Management Intern

- Created 7+ internal technical documents to support the operation and maintenance of internal applications
- Wrote 20+ user stories and product backlog items to enhance application functionality that led to Y feature releases
- Supported the Product Owner in prioritizing and driving development of application enhancements across the team using Jira
- Executed User Acceptance Testing (UAT) against predefined scripts to validate features and ensure alignment with user requirements
- Learned and applied software development practices within an Agile team
- Participated in the full software development lifecycle, including sprint planning, sprint review, and sprint release
- Contributed to internal workplans and initiatives to improve team culture and processes

PT Berlian Sistem Informasi - East Jakarta, Indonesia

Aug 2024 - Jan 2025

CX Development System Intern

- Attended 20+ cross-functional meetings with internal teams, vendors, and users
- Learned software development practices within an Agile team to deliver 87% efficient of development
- Assisted in creating 15+ User Acceptance Test (UAT) scenarios
- Helped establish a centralized Source of Truth database, reducing data inconsistencies
- Documented and summarized 10+ brainstorming sessions for development system
- Developed internal guidance system using Docusaurus framework based on reactjs with azure devops

President University Major Association of Informatics - Jababeka, Indonesia

Dec 2023 - Nov 2024

Vice of Design Division

- Designed the organization's logo and PUMA wall magazine
- Managed and assisted 3+ members of the Design Division
- Designed content for PUMA's social media platforms
- Contribute to take and edit PUMA's company profile video

Education Level

President University - North Cikarang, West Java, Indonesia

Sep 2022 - Aug 2025

Bachelor of Informatics, 3.77/4.00

- Jababeka Scholarship 75% Awardee
- Graduated with Cum Laude distinction

Project

User Identity Management System - Jira

Mar 2025 - Present

Product Owner Support

Contributed to managing the Jira backlog for the enhancement of UIMS, PT Bank SMBC Indonesia's internal application for ticketing, parameter management, and employee account administration.

- Assisted in managing and refining the project's Jira backlog in an Agile Scrum environment, translating feature requirements into actionable development tasks
- Authored detailed user stories for each sprint, which improved task clarity and reduced the need for developer clarifications by an estimated 90%.

Document Summarizer - PostgreSQL, NextJS

Sep 2025

Fullstack Developer

Developed a Capstone project using the IBM Granite model to summarize user-uploaded documents in .docx and .txt formats

- Integrated the IBM Granite large language model using the Replicate library to power the application's core text analysis capabilities
- Developed the application's two primary features: an on-demand document summarizer and a persistent user history log

Warehouse Management Inventory System - Python, FastAPI, YOLO, Docker, RTSP

Aug 2025

Backend Developer

Developed WIMS, a capstone project leveraging IoT sensors and Machine Learning models to automate warehouse inventory tracking, streamline workflows, and increase operational productivity by 90%

- Achieved 90%+ model accuracy by developing and training a Machine Learning model for warehouse object detection using YOLOv11.
- Implemented RTSP protocol, improving live monitoring reliability and enhancing security measures by 89%.
- Developed and deployed 2 core API endpoints to enable real-time warehouse monitoring integrated with ML services.
- Applied clean code principles, and CI integration for great development experience

CaffMed - NextJS, Flask, Docker

Dec 2024

Fullstack Developer

Caffmed is a Next.js-based web app using machine learning to detect brain tumors from MRI images.

- Utilized NextJS framework for frontend implementation
- Implemented a custom model using the CNN algorithm
- Created the model API endpoint using Flask framework
- Integrated OpenAI API for an AI chatbot feature
- Used Docker for model deployment, minimize trouble by 95%

CaffMusic - NextJS, FastAPI, PostgreSQL, Docker

Apr 2025

Fullstack Developer

CaffMusic is a web based application utilize machine learning to recognize music genre from user input (MP4 / WaV)

- Utilized NextJS framework for frontend implementation
- Implemented a custom model using the CNN algorithm
- Created the model API endpoint using FastAPI framework
- Integrated JWT, Google, and Github provider for authentication

Skills, Language & Other

- **Soft Skills:** Problem Solving, Emotional Intelligence, Time Management, Leadership, Teamwork, Adaptability, Critical Thinking, Decision Making, Creative Thinking
- **Hard Skills**  : TypeScript, Python, Next.js, Tailwind CSS, Flask, FastAPI, mySQL, PostgreSQL, Docker, Jira, Figma, Adobe Photoshop, Canva, Filmora, CapCut, Microsoft 365, AI Tools
- **Language:** Indonesia (Native) | English (Professional)