

BAGAS TSIQOH FIQYAN UWAIIDHA

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SUMMARY

Software Engineer with a Bachelor's degree in Informatics and a primary focus on frontend engineering. Experienced in developing responsive, scalable, and maintainable web applications while having a solid understanding of backend systems and the complete software development lifecycle, including requirements analysis, system design, database modeling, REST API development, testing, deployment, documentation, and technical collaboration. Proficient in Next.js, React, Nuxt.js, Vue.js, Express.js, PostgreSQL, and Firestore, with a strong interest in building structured software solutions for governance systems, operational workflows, data integration, web performance, and design system standardization. Passionate about continuous learning and applying modern technologies to solve real-world business challenges.

EXPERIENCE

Smart APJ, RnD Tracker, Company Profile

Yogyakarta, ID

Software Engineer – PT Jarvis Teknologi Albarokah

May 2026 – August 2026

- Designed, developed, and maintained internal enterprise applications across frontend and backend.
- Collaborated with stakeholders to analyze business requirements and translate them into scalable software solutions.
- Designed REST APIs, relational database schemas, and application workflows.
- Developed responsive user interfaces with reusable component architecture.
- Integrated MQTT-based communication for IoT simulation and monitoring systems.
- Performed debugging, testing, deployment, and technical documentation.
- Conducted technical research and proof of concept for Golang, Flutter, Traefik, Grafana, Docker, and monitoring systems.
- Mentored interns through onboarding, task delegation, code review, and technical guidance.

FIMOSA ERP

Yogyakarta, ID

Full Stack Developer – PT Fimosa Technology Indonesia

August 2025 – March 2026

- Develop and maintain both backend and frontend systems using Nuxt.js (frontend) and Express.js (backend).
- Perform debugging and troubleshoot technical issues.
- Optimize application performance for scalability and efficiency.
- Deploy and manage applications on servers using PM2.
- Write clear code documentation and technical guidelines.

Freelance Andita

Yogyakarta, ID

Full Stack Developer – CV Andita

July 2025 – August 2025

- Design application UI/UX using Figma.
- Develop responsive frontend applications with Next.js and Tailwind CSS.
- Implement interactive UI and animations to enhance user experience.
- Build and manage a headless CMS using Strapi.
- Integrate frontend with REST APIs for dynamic data handling.
- Integrate Cloudinary for image storage and optimization to improve performance and delivery.
- Deploy frontend on Vercel and backend on Railway.

EDUCATION

Universitas Ahmad Dahlan

Yogyakarta, ID

Bachelor of Computer Science

September 2020 – September 2025

- Majored in Informatics.
- Achieved a cumulative GPA of 3.71/4.00.

- Relevant Coursework: Data Structures and Algorithms; Software Engineering; Web Development; Database Systems; Cloud Computing; Distributed Systems

WORKSHOP

Bangkit Academy	Yogyakarta, ID
Cloud Computing Path Cohort	Feb 2024 – Jul 2024
• Served Completed 10+ courses in Cloud Computing, Backend Development, and AI fundamentals, with a focus on Google Cloud technologies. • Served as a Backend Engineer in the capstone project, designing database schemas and developing RESTful APIs using Express.js. • Deployed and managed backend services on Google Cloud Run, ensuring system reliability, performance, and scalability.	

PROJECTS

<u>DocuGen AI</u> – Personal	Apr 2026
• Developed an AI-powered README generator to automate project documentation. • Built an intuitive interface for generating structured technical documentation. • Integrated AI services to produce context-aware README content from project information.	
<u>University Course Scheduling Optimization</u> – Thesis	Aug 2025
• Designed and developed a university course scheduling system based on defined constraints. • Implemented the Grey Wolf Optimizer (GWO) algorithm using Python (FastAPI) to generate optimal scheduling solutions. • Modeled hard and soft constraints, including lecturer availability, room allocation, and time conflict avoidance. • Developed a fitness function to evaluate schedule quality and minimize constraint violations. • Built RESTful APIs with FastAPI for scheduling computation and data processing. • Utilized PostgreSQL (RDBMS) for structured data management and relational integrity. • Developed an interactive frontend using Nuxt.js with Nuxt UI for schedule visualization and user interaction. • Integrated frontend and backend to deliver dynamic scheduling results. • Conducted testing and iterative optimization to improve accuracy and performance of the scheduling system.	
<u>Skinifier</u> – Product-based Capstone Project in Bangkit Academy 2024	Jul 2024
• Designed database schema based on application requirements for scalability and efficiency. • Developed RESTful APIs using Node.js and Express.js (authentication & CRUD). • Created API documentation (API Contract) for structured frontend-backend integration. • Used Firestore (NoSQL) for real-time and scalable data storage. • Tested and validated APIs using Postman. • Built cloud architecture and deployed application on Google Cloud Platform (App Engine).	

SKILLS

Programming Languages: Node.js, Nuxt.js, Next.js, Express.js, Strapi.js, MQTT
Developer Tools: Github, Figma, Postman, Visual Studio Code.
Softskill: Communication, Teamwork, Problem Solving, Time Management.
Other Tools: Git, GCP, Docker, Trello, Jira.

CERTIFICATION

<u>Google Skills</u> Google	2024
<u>System Administration and IT Infrastructure Services</u> Coursera	2024
<u>The Bits and Bytes of Computer Networking</u> Coursera	2024
<u>Fundamentals of Artificial Intelligence</u> Dicoding	2024
<u>Python Fundamental for Data Science</u> DQLab	2021