JONATHAN GABRILIO KALIGIS

Manado, North Sulawesi | Phone : +62 812 4366 1212 | Email : jokakalzz@gmail.com | LinkedIn : https://www.linkedin.com/in/jokaligis | Portofolio: https://portofolio-nu-nine-19.vercel.app/ | Github: https://github.com/jokalzz | Instagram : @jokaligis

SUMMARY

I am a Computer Science student with hands-on experience in IT development, including web development, AI-based systems, and data processing. Experienced in building monitoring websites, anomaly detection systems, and integrating data-driven solutions. Possesses strong problem-solving skills, leadership experience, and basic graphic design capability to support digital products.

EDUCATION

Sam Ratulangi University – Manado, Indonesia   *2023 – Present*
- GPA: 3.9/4.00
- Actively participated in +10 competitions.
- Engage in organiaztional activities and contribute to events.

State Senior High School 9 Manado   *2020 – 2023*
Science Major
- Average Score 92/100.00
- Chairman of the performing arts competition committee 2022
- Class President for three consecutive years during high school

SKILLS

LANGUAGE
- Indonesian (Native)
- English (Intermediate)
- Japanese (Low Proficiency)

TECHNICAL SKILLS
- Programming: Python, JavaScript, SQL, C++.

- Web Development: HTML, CSS, JavaScript, TypeScript.
- AI & Data: Machine Learning, Computer Vision, Data Cleaning, DGA Analysis.
- Database: PostgreSQL, MySQL.
- Tools: Git, VS Code, Figma, Canva, Capcut, Filmora, Adobe After Effects, Adobe Premiere Pro, Adobe Illustrator, Blender.
- Design (Support): UI layout, basic graphic & visual content.

SOFT SKILLS

- Adaptability: Adjusts to changing environments and manages new challenges flexibly.
- Ability to Work Under Pressure: Manages stress to achieve targets efficiently in high-pressure situations.
- Creativity: Thinks outside the box to generate unique ideas and solve problems creatively.
- Problem Solving: Identifies and analyzes issues, then implements effective solutions.
- Critical Thinking: Evaluates information and arguments to make informed decisions.
- Analytical Thinking: Analyzes processes to make informed decisions and predict outcomes.
- Leadership: Leads groups, makes strategic decisions, and resolves conflicts effectively.
- Teamwork: Collaborates well with diverse team members to achieve common goals.

EXPERIENCE

IT Developer Intern – PT PLN (Persero), UPT Manado   *Dec 2025 – Present*
- Developed a CCTV-based anomaly detection system using computer vision techniques.
- Performed data cleaning and preprocessing for tower and transformer datasets (DGA & OLTC).
- Built a Transformer Oil Monitoring Website to support DGA-based oil testing following industry standards.
- Supported digital transformation by integrating data analysis, monitoring systems, and web applications.

Assistant Lecturer Database Technology – Manado, North Sulawesi   *Aug 2025 – Dec 2025*
- Assisted in teaching and supervising practical sessions on database technologies.
- Supported the implementation and management of database systems using SQL-based DBMS.
- Helped students understand advanced database concepts, including queries optimization and data management.

Junior Web Developer – VSGA BPSDMP Manado   *Aug 2025 – Oct 2025*

- Developed and maintained website features using HTML, CSS, and JavaScript.
- Implemented responsive web design for multi-device compatibility.
- Assisted in front-end development based on UI/UX designs.

Assistant Lecturer Database Systems – **UNSRAT**   *Feb 2025 – Jun 2025*
- Assisted lecturers in delivering database system courses and practical sessions.
- Guided students in understanding database concepts, including relational databases, SQL, and normalization.

Machine Learning Member – UNITY (Unsrat IT Community)   *Jun 2024 – Jun 2025*
- Conducted data preprocessing and feature engineering.
- Assisted in deploying machine learning models and integrating them into systems.

SELECTED PROJECTS

- **IoT & AI-Based Soil Fertility Detection System (Rice Cultivation – Tompaso)**
  Developed an IoT and AI system to analyze NPK soil data and classify soil fertility for rice cultivation.
- **AI Chatbot – Environmental & Forest Protection**
  Developed an AI-powered chatbot to provide information and education on environmental and forest protection, with context-limited responses to ensure topic relevance and user-focused interaction.
- **CCTV-Based Anomaly Detection System**
  Built an AI-based computer vision system to detect anomalies from CCTV footage.
- **Transformer Oil Monitoring Website (DGA-Based Analysis)**
  Developed a web-based platform for transformer oil monitoring and DGA analysis based on industry standards.
- **Environmental Education Website**
  Developed a web-based platform for environmental education, featuring a user discussion forum, access to learning videos, and summarized educational materials.
- **UI/UX Design – Environmental & Forestry Education App**
  Designed UI/UX prototypes for an educational app featuring conservation content, donation pages, and gamified missions.
- **Multi Editor Video Projects (MEP)**
  Coordinated collaborative video editing projects to ensure consistency and quality.

LEADERSHIP & ORGANIZATION

- **Team Leader** – Work Team for Service Program Planning, Faculty of Engineering, UNSRAT
- **Vice Secretary** – Social & Community Service Division (FKPPI North Sulawesi)
- **Vice Secretary** – Christian Spiritual Service Unit, Faculty of Engineering, UNSRAT
- **Multimedia Team** – Christian Spiritual Service Unit, Faculty of Engineering, UNSRAT
- **Team Leader** – Music Video Animation Unit (Remote)

JOURNAL PUBLICATION

Pelatihan Penggunaan Database Pada Excel Untuk Meningkatkan Efisiensi Pengelolaan Data Pada Penjual Beras Lokal. Diterbitkan pada Jurnal Warunayama, Vol. 5 No. 1 (2025): Kreativitas Pada Pengabdian Masyarakat (Krepa)

https://ejournal.warunayama.org/index.php/krepa/article/view/12534