VANES ANGELO

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PROJECTS

SoundMood   **GCP, PUB/SUB, REDIS, PYTHON**
- Engineered a REST API using FastAPI, connecting an Android front-end to a machine learning model and enabling real-time data processing; cut model deployment time by 15%.
- Designed a scalable and high-performance application architecture using Google Cloud Platform (GCP) services such as Cloud Pub/Sub, Memorystore, Cloud Storage, and Cloud Run, ensuring system reliability and efficient resource management.

Sistem Pendukung Outline Tugas Akhir (SPOTA) UNTAN   **PHP**
spota.untan.ac.id
- Streamlined bureaucratic processes by digitizing and automating the thesis consultation system, transforming it into a fully online platform based on Native PHP.
- Implemented a thesis storage system by integrating Google Drive API, ensuring reliable and accessible cloud-based document management.

Biodata Informatika UNTAN – SATU UNTAN Integration Module   **GOLANG, GITHUB ACTIONS**
- Implemented cross-platform student data synchronization using REST API and spreadsheet files, built with Golang Gin, to reduce redundancy and enhance data consistency across applications.
- Implemented GitHub Actions pipelines to automate deployment and testing, ensuring seamless updates.

EXPERIENCE

Open-Source Software (OSS) Contributor   March 2024 - Present
Athens: Go, PostgreSQL
- Executed seamless transition to upgraded AWS SDK version, resulting in a 25% reduction in repository dependencies.
- Refactored AWS S3 SDK unit tests for compatibility with the upgraded AWS SDK version, increasing code reliability by 30%.

Italia Developer API: Go, Gorm, Fiber
- Included the detailed documentation of the OpenAPI specification for log message search, ensuring precise alignment with project standards and enabling seamless integration with external systems.
- Designed and improved the log endpoint unit tests by including 3+ unit tests and mock data.

Himpunan Mahasiswa Informatika (HMIF) UNTAN   February 2025 – Present
- Organized study groups across all cohorts and executed skill-enhancing events such as bootcamps and coding competitions.

UNTAN Programming Contest (UPC)   2023 – Present
cp.informatika.untan.ac.id
Contest Manager, Universitas Tanjungpura
- Prepared and tested 10+ problems, resulting in 0% clarification during contest.
- Deployed contest environment effectively, resulting in 0% downtime during contest.
- Identified and evaluated top 5 performing teams for Indonesia National Contest (INC) through rigorous competition based on performance in contest.

Programming Lab Assistant   August 2023 – November 2023
Universitas Tanjungpura
- Developed 7+ hands-on programming practicums based on core data structure and algorithms.
- Enhanced student understanding of data structures and algorithms through hands-on coding sessions, resulting in a 20% increase in average exam scores.
- Increased programming contest participation rate by 60% among first-year students.

EDUCATION

UNIVERSITAS TANJUNGPURA   August 2022 – Present
Bachelor of Computer Science, GPA: 4.00/4.00   Expected January 2026

Bangkit Academy 2024: Cloud Computing Learning Path   September 2024 – January 2025
Relevant Path: Cloud Computing
- Developed a project called SoundMood that integrates Google Cloud services, such as Pub/Sub, Cloud SQL, and Cloud Run, to create a seamless connection between a mobile app and machine learning models.

Codepolitan Training and Certification Program   May 2024 – June 2024
Relevant Path: Backend Development, *Cloud Computing*
- Completed 10+ Alibaba Cloud Services courses, including object storage management using OSS, database replication using ApsaraDB RDS, and automated server horizontal scale using Auto Scaling.
- Received ACP and ACA certification, ensured qualification in designing and implementing robust cloud solutions tailored to organizational needs and to execute cloud-based projects with precision, ensuring seamless integration and operational excellence.

AWARDS

- Top 50 – The 2024 ICPC Asia Jakarta Regional Contest   December 2024
- Top 10 – Gemastik XVII Programming Division   September 2024
- Top 50 – The 2023 ICPC Asia Jakarta Regional Contest   December 2023
- Best Team of Region 2 – Gemastik XVI Programming Division   September 2023
- Top 50 – The 2022 ICPC Asia Jakarta Regional Contest   November 2022
- Top 15 – Gemastik XV Programming Division   November 2022

SKILLS

Technical: Golang, PHP, JS, ReactJS, TypeScript, Git, PostgreSQL, MySQL, Linux, GCP, C++, C, HTML, CSS, Pub/Sub, Redis, Docker, Kubernetes
Languages: Indonesian (Native), English (Professional)