



VRIZA WAHYU SAPUTRA

Senior Software Engineer

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EXECUTIVE SUMMARY

A professional software engineer with about 4 years of experience. Focuses on the quality of the product by implementing best practices and clean code like SOLID principle. Technology agnostic, meaning that focusses on goal about the product not about language. Artificial Intelligence (AI) Enthusiastic with some academic publications and actively write posts about AI in LinkedIn and Medium.

CORE COMPETENCIES

Analytical & Technical Skills

- Python
- Pandas
- Numpy
- Pytorch
- Golang
- Javascript
- MySQL
- PostgreSQL
- Redis
- Pub/Sub
- Firebase
- Google Cloud Platform (GCP)
- Github Action

Soft Skills

- Problem solving
- Accountable
- Effective communication
- Intellectual Analysis
- Leadership

EDUCATION

ITS - Sepuluh Nopember of Technology (Aug 2021 - Sept 2023)

Engineering Informatics | Cumulative GPA: 3.88/4.00

Faculty of Intelligent Electrical and Informatics Technology (FTEIC)

Master Degree



UB - Brawijaya University (Aug 2015 - April 2019)

Engineering Informatics | Cumulative GPA: 3.60/4.00

Faculty of Computer Science

Bachelor Degree



WORK EXPERIENCE

Finetiks (PT Uang Pintar Indonesia) (Jun 2022-Present)

Backend Engineer

Building personal financial management app with various tech stack. We are focus on building best practice and quality in all of the technology. Strong communication with another team such as QA and Product team. Following are my main tasks:

- Design architecture microservices from scratch



- Design Entity Relationship Diagram (ERD)
- Build REST API using Golang and Python with the PostgreSQL and Redis as a database
- Build Artificial Intelligence especially on text similarity using term frequency-inverse document frequency (TF-IDF) and Cosine Similarity (Cosim) in Python
- Build OCR Deep Learning with Object Detection and Text Recognition process using Python specifically with Paddle OCR framework.
- Build Classification engine using Chat GPT
- Build event driven microservices using Pub/Sub
- Build documentation REST API using swagger
- Build unit test using Testify and Gomock in Golang and Pytest in Python with minimum coverage 90% in Sonar Cloud
- Create CI/CD and implement in Github Action
- Deploy microservices using Cloud Run
- Review colleague's code in Pull Request Github

Engineering Informatics Lab. ITS *(Feb 2022 - June 2022)*

Lecturer Assistant

Teaching masters students with courses include Computational Intelligence and Matriculation-Data Structure. The technology used is python with some libraries like pandas, numpy, keras, pytorch etc.



Clade Ventures Pty. Ltd *(Jan 2020 - Mei 2022)*

Fullstack Engineer in BRI partner *(Sept 2021 - Mei 2022)*

Built a learning management system for BRI employees throughout Indonesia using website and mobile apps. My main contribution are:

- Built REST API using Golang with database MySQL and Redis
- Built frontend using Codeiginter
- Slicing UI using HTML and css
- Integrate API using cURL and JQuery Ajax
- Built real-time chat and video call using Comet Chat
- Integrate data analytics using Google Analytics
- Participate in Agile methodologies such as sprint planning, daily standup and sprint retrospective



Mobile Engineer in Wehelpyou partner (PT. Solusi Layanan Digital) *(Sept 2020 - Sept 2021)*

Built Digital Service Orchestrator with some partner such as Gojek, Grab, Lalamove etc. My responsibilities are:

- Built mobile apps using React Native
- Slicing UI using Native Base
- Follow atomic design methodology as a design system
- Setup CI/CD using Bitrise
- Built live tracking partner like Gojek using webview
- Integrate order payment like Gopay, OVO etc using REST API
- Implement state management using Redux
- Built analytics, crashlytics and push notification using Firebase

- Refactor code such as moving from Class Component to Functional Component, moving from React 16 to React 17 and implement linter and prettier.

Computer Vision Research Group (Mei 2019 - Dec 2019)

Research Assistant

Helping lecturers in research on artificial intelligence, especially on food image data in hospitals. The technology used are python language with some libraries like Numpy, Pandas, Tensorflow and Keras.



PT Bejana Investidata Globalindo (Mei 2019 - Dec 2019)

Frontend Engineer

This company is engaged in Information technology consulting firm with some client. As a frontend engineer my main task are:

- Built website using CodeIgniter and React JS
- Built mobile apps using Flutter
- Slicing UI using Bootstrap, Material UI and Chart JS
- Integrate API using Axios



CERTIFICATIONS & TRAINING

1. Udemy course - [Google Cloud Professional Data Engineer Certification 2022](#)
2. AWS Academy Graduate - [AWS Academy Cloud Foundations 2022](#)
3. Dicoding course - [Belajar Prinsip Pemrograman SOLID 2022](#)
4. Alibaba Cloud - [Landing AI Developer Learning Series 1 2021](#)
5. Dicoding course - [Memulai Pemrograman dengan Python 2021](#)
6. Dicoding course - [Belajar Machine Learning untuk Pemula 2021](#)
7. Dicoding course - [Cloud Practitioner Essentials 2021](#)
8. Dicoding course - [Belajar Dasar Visualisasi Data 2021](#)

RESEARCH AND ACHIEVEMENTS

1. [Published conference at 7th Information System International Conference \(ISICO\) 2023 indexed by Scopus Q2. The title is "Low Light Image Enhancement in License Plate Recognition using URetinex-Net and TRBA".](#)
2. [Presenter at conference 7th Information System International Conference \(ISICO\) 2023.](#)
3. [Speaker at seminars and workshops held by the Telkom Surabaya Institute of Technology \(ITTS\) with the title "From Concept to Reality: Implementing Youtube Features with React JS"](#)
4. Published conference at 11th Electrical Power, Electronics, Communications, Controls and Informatics Seminar (EECCIS). The title is "An Efficient Load Balancing Using Genetic Algorithm in Cloud Computing". <https://ieeexplore.ieee.org/abstract/document/9902925>
5. [Presenter at conference at 11th Electrical Power, Electronics, Communications, Controls and Informatics Seminar \(EECCIS\).](#)
6. Published conference at SIET '20: Proceedings of the 5th International Conference on Sustainable Information Engineering and Technology. The title is "Comparison of Image Thresholding and Clustering Segmentation Methods for Understanding Nutritional Content of Food Images". <https://dl.acm.org/doi/abs/10.1145/3427423.3427441>
7. [Scholarship Awardee of Artajasa Scholarship 2017](#)