JAVAS ALFREDA BELVA YOGA PRATAMA
Product Analyst, Data Analyst, Data Governance

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Portfolio: https://javasalfreda.github.io/portfolio/

SUMMARY
A highly skilled mathematician specializing in pure mathematics and analysis, with 4+ years of experience in data analyst and data governance. Proficient in project management, business analysis, operations research, adept at analytical thinking, artificial intelligence development, and creative problem-solving. Possesses expertise in initiating and coordinating organizational affairs and effective communication skills with cross-functional teams. Proficient in various tools, including Excel, Spreadsheets, SQL, BigQuery, Snowflake, Python, Docker, Tableau, Looker, Redash, etc. Have experience operating GCP with a background in statistical projects, automation of analytical & operational tasks, natural language processing (NLP), forecasting, machine learning, database management, data integration (ETL processes), predictive analysis, cloud technologies, data governance, and data security.

EDUCATION
Universitas Sebelas Maret
Bachelor of Mathematics   **Sep 2017 - Feb 2021**
- GPA 3.40/4.00 within 3.5 years.
- Assistant Lecturer in 5 courses.

WORK EXPERIENCE
LinkAja (PT Fintek Karya Nusantara)
Senior Product Analytics   **Jun 2024 - present**
- Data Governance: Understand and implement GDPR, *UU Perlindungan Data Pribadi* (PDP), and ISO 27001 within the company's activities; Develop multiple Standard Operating Procedures (SOPs) and documentation related to data governance; Provide and review access to GCP, Snowflake, Redash, and Looker for users based on their needs and in compliance with applicable standard procedures.
- Product Analytics: Support end-to-end product development by assisting in defining metrics set by the Product team; Identify trends, patterns, and anomalies in data; Develop automation systems to reduce manual processes for various projects; Create monitoring dashboards for multiple products; Conduct assessments of services before inserting them into BigQuery and ensure data availability; Build data warehouses and/or datamarts based on the team's needs; Identify insights and provide recommendations required by the team.
- Projects: Develop an Automation Flagging System at LinkAja; Build a Streamlit dashboard on Snowflake; Conduct a Promo Affinity Project at LinkAja; Build a BigQuery – GitLab repository framework; Create a monitoring system for all service performances.

PT Bukalapak.com Tbk
Business Assurance - Data Analytics   **Jan 2022 - Jun 2024**
- Data Governance: Understand and implement GDPR, UU *Perlindungan Data Pribadi* (PDP), ISO 27001, and ISO 37001 within the company's activities; Establish procedures to handle data incidents, including security breaches or data losses.
- Security: Create several Standard Operating Procedures (SOPs) related to data security and fraud monitoring; Classify the security level of all data in the company; Establish data access to a wide variety of business systems and provide the team with appropriate access.
- Database Management: Expertise in RDBMS and Non-RDBMS; Knowledge of OLAP and OLTP concepts; Knowledge of ETL processes and data integration tools.
- Data Analysis: Ability to analyze and simplify complex problems within the company into more manageable steps and communicate them in understandable language for the team; Design efficient data solutions; Perform basic data analysis and data profiling to identify trends, patterns, and outliers in datasets to gain insights.
- Data Reporting: Report the processed results to stakeholders using Spreadsheet, Google Slides, or Looker Studio; Create interactive dashboards using Looker Studio; Create systematic documentation using GitLab and Confluence.
- Projects: Analyze and understand fraud, anomalous actions, and other unwanted activities to enhance detection and response capabilities based on business operations at Bukalapak; Develop an automation system related to Email Data Loss Prevention; Create and automate 36 fraud monitoring processes to check potential fraud possibilities using Spreadsheet, BigQuery, Pub/Sub, Docker, Python, GitLab, and Airflow, resulting in a reduction of checking time by up to 90%; Develop a GCP Hardening script using Python and GitLab for enhanced cloud security.

Data Science Indonesia
Community Development Division (Volunteer)   **May 2021 - Oct 2022 and May 2023 - present**
- Analyze issues occurring in Indonesia, then obtained existing data to process and derive conclusions and solutions for these problems by creating machine learning models.
- Collaborate with the government and relevant institutions to support the organization's sustainability.
- Provide training and information about data to the Indonesian people.
- Share knowledge at various events and opportunities.

Bangkit Academy
Machine Learning Instructor & Mentor   **Feb 2022 - Jul 2022 and Jul 2023 - Apr 2024**
- Teach and assist mentees based on the curriculum such as: Python & GitHub, Deep Dive Into Data Analyst, Python IT Automation, Machine Learning (Supervised and Unsupervised Learning), TensorFlow, etc.

Rumah Kepemimpinan
CRM Data Analyst   **Apr 2021 - Jan 2022**
- Create customer classifications to determine the appropriate products for each customer.
- Collaborate with the marketing team to optimize product sales.
- Collaborate with all relevant teams to expand the acquisition of potential customer data.
- Maintain and manage all of the company's databases.
- Report the processed results to stakeholders using Google Slides or Looker Studio.

TRAINING COURSE

Digital Talent Scholarship
Big Data Using Python   **Jul 2021 - Sep 2021**
- The competency development training program, led by the Ministry of Communication and Information, focuses especially on Python learning for the applications of big data, machine learning, the internet of things, and cybersecurity.
- Project: Create machine learning models to detect COVID-19 using X-ray images.

Bangkit Academy
Machine Learning   **Feb 2021 - Jul 2021**
- Education programs led by Google, GoTo, and Traveloka, focus on the development of AI and machine learning specializations. Some of the topics taught include IT Automation with Python, Mathematics for Machine Learning, Deep Learning AI TensorFlow, Data and Deployment Specialization, Structuring Machine Learning Projects, Deep Dive Into Data Analyst, and others.
- Project: Build apps with a machine learning model to detect spoiled and fresh fruits.

ORGANIZATIONS

KonCreate | Head of Education Division	2023 - present
Data Science Indonesia | Community Development Division	2021 - present
Nol Koma | Co-Founder and COO	2021 - 2022
Keluarga Alumni FMIPA UNS | Executive Secretariat	2020 - 2021
Badan Eksekutif Mahasiswa FMIPA UNS | President	2020

LANGUAGE SKILLS
- **Bahasa Indonesia** Native
- **English** Proficient

SOFTWARE SKILLS
- **Database Management:** SQL (MySQL, PostgreSQL), MongoDB, BigQuery, Snowflake, Redash, Airflow, Oracle.
- **Data Manipulation:** Excel, Spreadsheet, Python, R, SPSS, Minitab.
- **Data Visualization:** Looker & Looker Studio, Tableau, Power BI, Metabase, Snowsight, Grafana, Streamlit.
- **Other Tools**: Visual Studio Code, GitLab, GitHub, Pub/Sub, Docker, Amplitude, AppsFlyer, Confluence, Jira.

CERTIFICATION
- TensorFlow Developer
- TensorFlow for AI, ML, and DL
- Convolutional Neural Networks in TensorFlow
- Natural Language Processing in TensorFlow
- TensorFlow: Data and Deployment
- DeepLearning.AI TensorFlow Developer
- Structuring Machine Learning Projects
- Mathematics for Machine Learning
- Google Data Analytics Professional
- Google IT Automation with Python
- Data Science Developer
- Sequences, Time Series, and Prediction
- Configuration Management and the Cloud
- PCAP: Programming Essentials in Python
- IoT Fundamentals: Big Data & Analytics
- IT Security: Defense Against the Digital Arts

WRITING & PUBLICATION
- "On The Local Metric Dimension of Dipyramidal Graph and King Graph"
- "Analysis of Inflation Models during the COVID-19 Pandemic in Indonesia"
- "SEIRS Model with Vaccination on Malaria Disease"
- "Analysis of Forecasting Number of Customers, Sold Energy (kWh), and Connected Power (kVA) in UP3 Surakarta from 2020-2024"
- "Patterns of Food Commodity Inflation Rates in Indonesia using the Holt-Winters Additive Method"