ADE ARIEF SETIAWAN

Kota Bekasi, Indonesia
ariefade99@gmail.com
+62896-3301-6935

SUMMARY

I hold a Bachelor's degree in Computer Engineering with comprehensive expertise in full-stack development and data engineering. Skilled in frontend technologies (Node.js, Next.js, React.js) and backend development (Java, Go, Node.js). Experienced in data processing and analytics using SSIS, NiFi, and Python, with proven application of machine learning models including XGBoost, LSTM, Prophet, SARIMA, and ARIMA for predictive analytics and anomaly detection in banking operations.

TECHNICAL SKILLS

- **Programming Languages:** Go, Node.js, Next.js, React.js, JavaScript, Java, HTML, Python, SQL, NoSQL
- **Technologies & Tools:** Android Studio, Git, GitHub, Bitbucket, Bamboo CI/CD, Docker, DBeaver, SQL Server, MySQL, ClickHouse Database, SSIS, Jupyter, Google Colab, NiFi, Grafana, Figma, Canva, Postman, Linux, Windows, VS Code, UiPath
- **Machine Learning & Data:** Prophet, XGBoost, LSTM, SARIMA, ARIMA, Database Design, Data Analytics, Project Management, REST API Development

WORK EXPERIENCE

PT. Bank Rakyat Indonesia

Frontend and Backend Developer | May 2024 - Present

- Developed and enhanced the Ops Vision application, a critical monitoring system used by operators to track flagship banking applications, detect anomalies in real-time, and provide actionable insights for incident prevention
- Technologies: Node.js, Next.js, React.js, Go, VS Code, Bitbucket, Bamboo CI/CD, Grafana

Data Engineer | May 2024 - Present

- Performed advanced data processing and analysis to identify operational issues and support data-driven decision-making for banking operations optimization
- Technologies: SQL Server, ClickHouse Database, Python, VS Code, NiFi, DBeaver, XGBoost, LSTM, SARIMA, ARIMA

PT. Bank Rakyat Indonesia

Data Scientist Intern | March 2024 - May 2024

- Enhanced anomaly detection system for ATM transactions, implementing predictive models to identify transaction irregularities and visualizing results through Grafana dashboards

- Technologies: CyberArk, Python, SQL Server Management Studio, VS Code, Prophet (Facebook), XGBoost, LSTM, SARIMA, ARIMA, Grafana

PT. Anugerah Sarana Dinamika

IT Support & Junior Programmer | June 2022 - January 2024

- Maintained and improved existing company systems to ensure operational efficiency
- Developed SLIFA, a driver fatigue detection system using computer vision, currently deployed in production
- Technologies: YOLOv5, Raspberry Pi 4, Orange Pi 5, Linux, Ubuntu, SQL Database, GitHub, NoMachine, MobaXterm, PHP, C++

Service Advisor | June 2022 - January 2024

- Planned and coordinated daily activities for service team employees
- Created vehicle repair proposals for customers and clients
- Evaluated completed mechanic work to ensure quality standards
- Prepared monthly documentation and reports for management review

Backend Developer Intern | February 2022 - April 2022

- Developed an Android-based workshop booking service application to streamline interactions between customers, mechanics, and staff
- Technologies: Android Studio, Java, Postman, phpMyAdmin, Figma, BlueStacks 5

KEY PROJECTS

- **Ops Vision Monitoring Application:** Developed and enhanced a comprehensive monitoring system for detecting anomalies in flagship banking applications at Bank Rakyat Indonesia, enabling proactive incident management
- **BRINETS Transaction Forecasting:** Implemented time-series forecasting models to predict next-day transaction trends and detect anomalies, enabling proactive decision-making before incidents occur. [View Project]
- **Enhanced ATM Anomaly Detection:** Improved prediction accuracy for 7-day forecasting to detect ATM transaction anomalies, resulting in faster and more accurate decision-making processes. [View Project]
- **O'lala Electric Bike Rental Application:** Designed and developed an Android-based electric bike rental application using Java, REST API, and phpMyAdmin database (Bachelor's thesis project). [Watch Demo]
- **UI Design for Workshop Booking Application:** Created UI design for a workshop booking service application in Android concept using Figma, which was then implemented in the Android application development. [View Design]

EDUCATION

Indraprasta PGRI University

Bachelor of Computer Engineering, Informatics Engineering | August 2018 - August 2022

- GPA: 3.53/4.0 (7 semesters)
- Thesis: Design of O'lala Electric Bike Rental Application in Jatiasih Based on Android

CERTIFICATIONS

- RevoU Mini Course Data Analytics
- 5R & Safety Training
- Python for Data Professional Beginner
- Introduction to Pentaho Data Integration: Jobs and Transformations
- Multidimensional Modeling: Fact and Dimension Tables (Pentaho)

LANGUAGES

- Bahasa Indonesia (Native)
- English (Limited Working Proficiency)