

IRVAN FAUZIANSYAH

SENIOR SOFTWARE ENGINEER

Address: Jakarta, Indonesia (+7 GMT)

Email: hello@irvan.cc

Phone: [+6286725725325](tel:+6286725725325)

Website: irvan.cc

LinkedIn: linkedin.com/in/IrvanFza

GitHub: github.com/IrvanFza

PROFESSIONAL SUMMARY

Product-oriented Senior Software Engineer with over 9 years of experience in designing, developing, and deploying robust, scalable full-stack applications and cutting-edge AI-powered solutions. Proven expertise in leveraging Artificial Intelligence, including Large Language Models (LLMs), Retrieval-Augmented Generation (RAG), and Natural Language Processing (NLP), to drive innovation and solve complex business challenges. Adept at leading engineering teams, architecting complex systems (proficient in Ruby on Rails, Python, JavaScript, Golang, and various cloud platforms like GCP and AWS), and translating technical capabilities into significant operational efficiencies and enhanced data-driven decision-making. Also, a passionate community contributor and speaker, dedicated to sharing knowledge on AI integrations and software development best practices.

WORK EXPERIENCES

PT. Ahli Bangun Sistem - Professional SaaS Company

December 2024 - Present

Freelance Software Engineer

- Engineered an automated auction bot for intelligent auto-bidding and order placement, significantly increasing clients' success rates in securing desired items.
- Developed a secure, multi-tenant bank account scraping solution to aggregate transaction histories, enabling improved financial data analysis and reporting for business clients.
- Architected and deployed a multi-tenant AI-powered data analyst chatbot with WhatsApp integration, delivering instant data insights and enhancing user query response efficiency.

RUANGGURU - Biggest Indonesia's Edu-Tech Company

April 2020 - April 2025

Lead Software Engineer

- Led a team of 5 engineers in the end-to-end development of an Uber-like teacher distribution and management platform, streamlining teacher distribution and enhancing operational efficiency across all company products.
- Developed an offline branch recommendation system using map-based geospatial clustering of nearby schools with the HDBSCAN algorithm, enhancing data-driven strategic planning for company expansion.
- Developed a custom HackerRank-like coding assessment platform, increasing candidate processing capacity from 500+ to over 2,000+ monthly and reducing overall hiring SLA by 20%.
- Engineered and launched a company-wide form builder and submission system with web embedding and API integration capabilities, replacing HubSpot Forms and significantly reducing marketing operational costs.
- Mentored and onboarded junior developers, fostering a culture of best practices in TDD, design patterns, and efficient tool usage, improving team productivity and code quality.

- Improved team development productivity by introducing and standardizing best practices, advanced development tools, and design patterns.

SWEETESCAPE - Photographer Marketplace Startup

March 2018 - April 2020

Senior Software Engineer

- Developed and launched a localization feature supporting 8 languages, significantly expanding the web platform's global user reach and market penetration.
- Spearheaded the research and integration of CleverTap as a primary data tracking system, enabling enhanced analytical capabilities that contributed to a 10% increase in sales.
- Led a team of 3 engineers in designing and implementing a credit expiry system, proactively mitigating potential future financial leakage for the company.
- Automated the synchronization of product listings between the company platform and various marketing channels (Facebook, Instagram, Google Ads), enhancing marketing effectiveness and data consistency.
- Liaised with product managers to define MVP requirements and translate them into well-scoped user stories, improving development focus and efficiency.
- Mentored junior developers on Ruby on Rails, TDD, and design patterns, contributing to their skill development and team performance.

NUFAZA - Software House Company

July 2015 - February 2018

Software Engineer

- Engineered a data processing system that dramatically reduced questionnaire analysis time for national education data from 5 days to 1 day.
- Developed and deployed a school data management platform for the Ministry of Education, significantly improving data accessibility and supporting executive decision-making.
- Contributed to the development of digitizing artifact data for the Indonesian National Museum.

EDUCATIONS

AMIKOM YOGYAKARTA UNIVERSITY

July 2010 - December 2016

Bachelor of Computer Science

TECHNICAL SKILLS

- **Languages:** Ruby, Python, PHP, Go, JavaScript, SQL
- **Frameworks/Libraries:** Ruby on Rails, Laravel, FastAPI, ReactJS, VueJS, Bootstrap
- **Databases:** MySQL, PostgreSQL, Oracle, SQL Server, Redis, Elasticsearch, GraphDB
- **Cloud Platforms:** AWS (S3, CloudFront, EC2), Google Cloud (DataStudio, PubSub, BigQuery)
- **DevOps & Tools:** CI/CD, Docker, Git, Jira, Nginx, Linux Server, Windows Server
- **AI and Automation Tools:** Langchain, RubyLLM, MindsDB, FlowiseAI, Cadence, N8N
- **Methodologies:** Agile (Scrum), TDD, Microservices Architecture, System Design, Data Processing & Analysis
- **Principles:** Clean Code, SOLID, DRY, Cybersecurity Best Practices

**For more details, discover my projects in action on <https://irvan.cc/portfolios>, see my full journey on <https://irvan.cc/resume>, or catch up on insights from my past talks at <https://irvan.cc/talks>.*