



01 / PROFILE

Lead Software Engineer with **10+ years** architecting enterprise platforms, AI infrastructure, cloud systems, and distributed backend architecture across media, healthcare, and finance.

02 / CAPABILITIES

AI & DATA ENGINEERING

RAG, AI Agents, LLM Integration, OpenSearch, Embeddings, LanceDB, Parquet

BACKEND ARCHITECTURE

Golang, Python, FastAPI, Laravel, PHP, REST APIs, Microservices

CLOUD & PLATFORM

AWS, Docker, Kubernetes, Linux, Nginx, GitLab CI/CD, SSM

MOBILE DEVELOPMENT

iOS, Android (Beginner)

DATA STORES

PostgreSQL, MySQL, MongoDB, Redis, TiDB

03 / EDUCATION & CERTS

- **System Analyst Cert** • 2026
- **Leadership First Time Manager** • 2026
- **AWS Skill Builder Certified**
- **CodeIgniter Certified** • 2013
- **B.Sc. Computer Science** • Gunadarma Univ (2010)

04 / INDUSTRIES

News Media Healthcare IT Fintech
Public Sector E-Commerce

05 / WORK EXPERIENCE

Lead Software Engineer **Tribunnews (KG Media)** 2023 – PRESENT

- Lead AI infrastructure, backend architecture, and platform modernization across Tribunnews.com, TribunJualBeli.com, Cendraloka.com, and Tribun Asset Management System.
- Architect scalable AI pipelines for RAG, AI agents, semantic search, embeddings, and LLM services.
- Engineered high-throughput Go worker services ingesting OpenSearch data into JSON, Apache Parquet, and LanceDB.
- Automate CI/CD pipelines via GitLab & AWS Systems Manager; improve performance, caching, and analytics.

PYTHON GOLANG FASTAPI MONGODB OPENSEARCH AWS DOCKER RAG

Co-Founder & Technical Lead **PT Hadejun Simedic Indonesia** 2021 – 2023

- Co-founded healthcare technology startup delivering Laboratory Information Systems (LIS) and health platforms.
- Designed middleware for analyzers from 14+ manufacturers to automate real-time medical result collection.
- Delivered end-to-end LIS workflows, medical check-up (MCU) systems, COVID screening portals, and recruitment platforms.

PYTHON LARAVEL REACT.JS MYSQL HEALTHCARE IT

Senior Full Stack Engineer **PT Linkit360 • Freelance** 2020 – 2021

- Architected full-stack enterprise web applications and RESTful APIs for web and mobile clients.
- Built responsive React.js user interfaces backed by Laravel PHP microservices and database models.

LARAVEL REACT.JS PHP MYSQL

Head of IT Division **Koperasi Sejahtera Bersama** 2016 – 2020

- Directed enterprise IT strategy, infrastructure operations, IT governance, and organization-wide digital transformation.
- Managed cross-functional technical teams and coordinated vendors to deliver mission-critical software systems.

IT LEADERSHIP INFRASTRUCTURE GOVERNANCE

Software Engineering & IT **Enterprise & Digital Projects** EARLIER CAREER

- Built core foundation in software development, operational support systems, and enterprise technology delivery.

SOFTWARE ENGINEERING INTEGRATION OPERATIONS