Gema Megantara

https://gemamegantara.com

EXECUTIVE SUMMARY

Chief Technology Officer with 15+ years of experience in building, scaling, and securing high-impact digital platforms across fintech, edtech, and media industries. Proven track record in leading technology teams, delivering regulatory-compliant systems, and architecting high-concurrency platforms serving hundreds of thousands of users.

Strong background in full-stack engineering, cloud architecture, and system reliability, combined with hands-on leadership in regulated environments (OJK, ISO 27001). Passionate about building scalable technology organizations that drive measurable business outcomes.

EDUCATION

Telkom University   **Bandung, Indonesia**
Bachelor of Informatics   August 2006 - August 2010
Concentrations: Data Mining

KEY ACHIEVEMENTS

- Led the technology implementation of Indonesia's first Sharia-based Securities Crowdfunding (SCF) platform licensed by OJK.
- Orchestrated and engineered a high-concurrency IPO campaign system, achieving full funding within 11 seconds.
- Led ISO 27001 certification for four consecutive years in a regulated fintech environment.
- Architected scalable platforms supporting 300K+ users and over 1 million monthly transactions.
- Built and led cross-functional technology teams across startups and growth-stage companies.

EXPERIENCE

Semesta Business (formerly Semesta Akademi) - PT Semesta Edukasi Kreatif   **Jakarta, Indonesia**
Chief Technology Officer   January 2021 – now
Semesta Business is an evolving education and research-driven business platform, originating as Semesta Akademi with a cohort-based learning model and expanding into SME research and business intelligence solutions.

- Defined and executed company-wide technology strategy aligned with long-term business growth.
- Led and scaled the technology team, ensuring high-quality delivery with strong cost efficiency.
- Designed and implemented cross-functional team workflows to improve communication, execution speed, and delivery quality.
- Established performance evaluation frameworks to continuously improve engineering team effectiveness.

SHAFIQ - PT Shafiq Digital Indonesia   **Jakarta, Indonesia**
Co-Founder   June 2020 – now
Shafiq is the first sharia-based securities crowdfunding (SCF) service platform that provides venture capital for SME in Indonesia. Through this platform, users can become business owner or investors depending on the needs of each user.

- Led end-to-end technology implementation, positioning Shafiq as the leading SCF platform with IDR 680+ billion in total disbursement.
- Led ISO 27001 certification initiatives for four consecutive years in a regulated fintech environment.
- Spearheaded IT and system readiness for Financial Services Authority (OJK) licensing, becoming the first Securities Crowdfunding platform licensed in Indonesia.
- Orchestrated and built an IPO campaign system capable of handling massive concurrent user traffic, achieving a fully funded campaign within just 11 seconds.
- Built, hired, and evaluated high-performing engineering teams in a regulated fintech environment.

TadoTV – PT Karya Anak Digital   **Jakarta, Indonesia**

Chief Technology Officer March 2017 – Jan 2021

- Led the development of Indonesia's first large-scale interactive video platform.
- Architected and deployed scalable cloud infrastructure on AWS.
- Established engineering standards for performance, security, and reliability.
- Developed the iOS application to seamlessly support interactive video streaming.
- Built and led a high-performing engineering team across mobile and backend platforms.
- Implemented Agile/SCRUM practices to improve delivery predictability and release cadence.

Ebizu Pte. Ltd. **Jakarta, Indonesia**
Head of Technology | Techincal Evangelist October 2016 – March 2017

- Led a 26-member team consisting of mobile and web engineers, as well as QA engineers.
- Scaled the platform to support over 300K users and more than 1 million monthly transactions by optimizing backend performance.
- Conducted research and implemented OCR features combined with auto edge detection and augmented reality.
- Acted as the SCRUM Master for the engineering team.
- Reported directly to the CTO and CEO.
- Performed periodic system reviews, identified weaknesses, and proposed corrective solutions.

Wavoo **Jakarta, Indonesia**
Chief Technology Officer July 2014 – September 2016

- Led the engineering team at an online dating startup.
- Designed and implemented the system architecture on IBM SoftLayer.
- Developed backend APIs, iOS applications, and chat servers supporting over 200K users with 98% crash-free performance.
- Defined and selected core technologies used across the platform.

Ebizu Sdn. Bhd. **Jakarta, Indonesia**
Senior iOS & Web Developer July 2012 – July 2014

- Developed Manis, a universal loyalty application enabling users to earn points by capturing and uploading purchase receipts, and redeem rewards directly within the app.
- Developed Shopsmart, a smart shopping assistance application providing features for creating and managing shopping lists.
- Developed the AEON BiG mobile application in collaboration with AEON BiG Malaysia, delivering a smart shopping assistant with product categorization features.
- Developed iPad Engager, an automatic check-in application utilizing iBeacon technology, enabling Manis users to earn points based on proximity-based check-ins.
- Co-developed the Ebizu Manager App, a smart POS application supporting both online and offline data synchronization and wireless receipt printing.
- Co-developed the Ebizu Business Center (EBC), a web-based dashboard for SMEs, enabling targeted promotions and customer persona analysis.

PT Sangkuriang Internasional **Jakarta, Indonesia**
Mobile & Web Developer. October 2010 – May 2012

- Developed EMASS (Encrypted Messaging and Secured Services), an early secure messaging platform integrated with third-party services such as currency conversion, weather information, and electronic virtual accounts.
- Developed "InfoAngkot," a public transportation information application providing route details for Bandung's angkot network.
- Developed mobile applications (iOS & Android) for Indonesia.Travel in collaboration with the Ministry of Tourism of Indonesia, showcasing travel destinations across the country.
- Served as a member of the Web Development Division, responsible for delivering projects for a major political party in Indonesia.

CORE SKILLS

Executive & Technology Leadership:
CTO Leadership, Engineering Management, Team Scaling, Architecture Strategy, Regulatory & Compliance (OJK, ISO 27001)

AI & Data Capabilities:
AI System Architecture, AI Integration & Orchestration, LLM Integration, Prompt Engineering, Data Pipeline Design, Analytics & Insight Platforms, AI-Driven Decision Support

Backend & Systems:
PHP, Node.js, High-Concurrency Systems, MySQL, PostgreSQL, Redis

Mobile & Frontend:
iOS (Swift, Objective-C), JavaScript, HTML/CSS

Cloud & Infrastructure:
AWS, Alibaba Cloud, Firebase, IBM SoftLayer

Engineering Practices:
Agile/Scrum, System Performance Optimization, Security Engineering