

M Nurul Akbar (Babono)

Lead Software Engineer

Tech Leader & Frontend Specialist with 11+ years of experience shaping digital transformation across E-commerce, Games, Social Media, and Retail. I combine a strong product mindset with design sensibility to bridge the gap between business strategy and technical execution. I specialize in translating complex requirements into pragmatic yet empathic solutions, ensuring reliable, high-performance delivery. As a leader, I foster a supportive culture that generates consistently exceptional output and strong positive feedback from engineering teams.

Work Experience

Apple Developer Academy - Bali

Apple Developer

Feb 2026 - Present

- Architecting native applications for iOS, macOS, and Apple Vision Pro utilizing Swift and server-side Swift.
- Applying Human-Centered Design and challenge-based learning methodologies within cross-functional teams to deliver innovative solutions.
- Leveraging agentic AI coding to build next-generation, AI-native products for the Apple ecosystem.

Career Transition

Educational Sabbatical & Advanced Degree

Aug 2024 - Dec 2025

- Pursued a Master's degree at NUS with a specialization in AI and Digital Transformation, fully funded by a scholarship from the Indonesian Government.
- Served as a postgraduate Teaching Assistant for the Fullstack Development course (IT5007 Software Engineering on Application Architecture) under NUS School of Computing.
- Executed a Capstone project with Micron Technology as the sole software engineer, engineering the full-stack solution with Next.js and FastAPI, and integrating the Google Gemini API to build an AI-driven prescriptive analysis dashboard. This successfully reduced lead times and optimized material consumption rates for the procurement team.

Shopee

Engineering Manager > Lead Frontend Engineer

Apr 2020 - Aug 2024

- Managed a Games Studio of 20+ BE/FE engineers, serving as Hiring Manager for 100+ candidates and conducting performance appraisals.
- Implemented end-to-end product telemetry and observability (dashboards, SLOs, alerting) to proactively guide data-driven improvements for the multi-country platform.
- Previously: Led the Frontend Chapter (20 FE engineers across 5 units), directing 40+ growth projects to streamline workflows and enhance deliverable quality.

CT Corp Digital

UX Engineer Specialist

Sep 2019 - Mar 2020

- Spearheaded end-to-end development of the company profile and multiple campaign websites for Transfashion brands (GEOX, Hugo Boss) using Gatsby.js and React.js.
- Led prototyping for key e-commerce platforms (Aigner, Transmart) and collaborated with designers to build the Transmart Design System.

Gawean

Co-Founder & Lead Developer

Jan 2016 - Jul 2020

- Co-founded Gawean, a web-based job platform for blue-collar workers in the Food & Beverages, Retail, and Hospitality industries. Contributed to key business strategies and direction for the venture.
- Served as Lead Developer, overseeing all technical aspects and development of the platform.

Kaskus

Principal Software Engineer > Senior SE > SE

Jan 2015 - Aug 2019

- Spearheaded early adoption of Google AMP and PWA, leading to the company being featured at Google I/O; grew the Frontend team from 2 to 7 members.
- Created essential automation tools (EDM & Microsite Generator) and achieved a 95% reduction in website CSS size by implementing a functional CSS strategy.
- Built the Minimum Viable Product (MVP) for the KASKUS JUAL BELI Android app from scratch and developed features across Forum and Microsites.

Bali, Indonesia

muhammad.nurul.akbar@gmail.com

+62 8111886694

[babon.io](#) (Portfolio Website)

[linkedin.com/in/babono](#)

[github.com/babono](#)

Education

National University of Singapore

2025 Master of Science in Smart Industries and Digital Transformation

University of Indonesia

2014 Bachelor of Computer Science

University of Queensland

2014 Bachelor of Information Technology

Community

2025 Tech Director of PINUS (NUS Indonesian Students' Association)

2024 Guest Lecturer for IT Project Class at University of Indonesia

2021 Guest Speaker at Garuda Hacks 2.0

2020 Speaker at Engineering Talks Shopee

Skills

Frontend

Typescript Next.js Flutter Swift UI
Tailwind CSS React Gatsby.js Microfrontend
Phaser Cocos React Native Jest Redux
Zustand TanStack Storybook jQuery

Backend

Node.js Next API Express Python FastAPI
Firebase GraphQL Supabase PayloadCMS
MongoDB Atlas Strapi PHP Go

Platform

Vercel Sentry Wordpress Magento GCP
AWS Azure Grafana Notion API Shopify
Mapbox Cloudflare Posthog Gemini API
Zapier Streamlit

Tools

Git Cursor VS Code Copilot Figma
Notion Trello Confluence Jira Photoshop
Google Suites Microsoft Office Canva Prezi

Languages

Bahasa Indonesia English