

Petra Matatias Situmorang

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[Linkedin](#) | [Github](#) | [Medium](#)

Experience

[Cofounderie](#) | Tech-talent incubator focused on digital product design and building innovative product

Software Engineer

Nov 2025 - Present

- Building an **e-gov AI assistant** that lets residents navigate government services through natural conversation — reducing friction and support overhead
- **Leading a team of 5** to ship an AI interview agent for an ATS+HRIS SaaS platform — automating candidate screening and generating structured skill profiles

[Graha Sumber Prima Elektronik, PT.](#) | Leading Power Infrastructure provider in Indonesia

Full Stack / Mobile Engineer

July 2021 - Oct 2025

- **Built AI automation tools**, including a **lead generator** (12K+ companies, 130K+ contacts), **project scraper** (50+ projects/day), and **news crawler** tracking 2,000+ clients/competitors daily — boosting sales intelligence and targeting accuracy.
- **Delivered HR AI tools**: a **CV scoring engine** processing 1,000+ resumes/batch (**80% screening time reduction**) and a **LinkedIn sourcing agent** expected to find 100–200 qualified leads/day.
- Developed & maintained **9+ Flutter apps** (IoT, tracking, reporting) for **200+ daily users**; created **shared packages** used in 6+ apps, reducing duplicate code by **70%** and accelerating development; enabled **OTA updates**, cutting release delays by **90%**.
- Revamped company website and SEO strategy, achieving a **400% increase in lead generation** and reaching **Google's first page within 1 month**.

Staff Engineer – R&D

Nov 2020 - July 2021

- Led digital transformation initiatives in manufacturing, improving workflow efficiency and supporting **ISO 14001 compliance**.
- **Conducted IoT research**, developing smart factory monitoring solutions with **real-time automation**.

[Trifidia Cipta Korpora, PT.](#) | Leading Indonesian tech partner for ML and software-driven business solutions.

Full Stack Engineer (Freelance)

May 2025 - Oct 2025

- Contributed to building **Lovina AI** — Indonesia's conversational AI platform for enterprise contact centers — from **POC to production**
- Built AI voice assistant pipelines using ElevenLabs handling customer inquiries, appointment booking, and lead qualification with **24/7 automation**
- Developed QA tooling to auto-score call transcripts, improving evaluation speed and consistency across **hundreds of daily interactions**

[Aoneko Pelita Konsultan, PT.](#) — Flutter Developer

Nov 2024 – Mar 2025

[Schlumberger](#) — IT Support Intern

Oct 2019 - Jan 2020

[LIPI \(now part of BRIN\)](#) — Researcher Intern

June 2018 - Aug 2018

Education

Institut Teknologi Sepuluh Nopember

Aug 2015 - Sept 2019

B.Eng. in Electrical and Electronics Engineering

GPA: 3.50 / 4.00

Skills: Langchain, Flutter, Dart, Android, iOS, Go (Golang), C#, Kotlin, Python, Vue, React, .NET, MySQL, Typescript, Javascript, AI, LLM, AI Agents, Langfuse, n8n, Docker, Git, Github, Firebase, Google Ads, GA4, SEO, CMS

Community Contributions

- **Flutter Packages:** Publishes and maintains **70+ liked Flutter packages** on [pub.dev](#), reaching **5K+ weekly downloads**—offering modular **UI components** and **integrations**.
- **Technical Writing:** Publishes in-depth articles on [Medium](#) (**10K+ monthly views**), [HackerNoon](#), and [Hackaday.io](#), sharing expertise in **Flutter, AI, and mobile development best practices**.
- **StackOverflow Contributions:** Earned **4K+ reputation** by solving technical issues in **Flutter** and **mobile development** communities.