



EY AFIF HABIBIE

Experienced and detail-oriented **AI Engineer** specializing in **Agentic Workflows**, **Generative AI**, and **Computer Vision**. Proven track record in architecting autonomous systems and real-time detection tools that reduce operational manual intervention by up to 70%. Adept at bridging the gap between complex AI infrastructure and user-centric mobile application.

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TECHNICAL SKILLS

- **AI & LLM Engineering:** OpenAI API, RAG (Retrieval-Augmented Generation), Ollama, Llama, DeepSeek, Hugging Face, Fine-tuning, Agentic Workflows.
- **Computer Vision & Automation:** Real-time Vehicle Detection, Object Recognition, Puppeteer (Web Scraping), Custom Crawlers.
- **Mobile Development:** Flutter, Redux, Dart, Kotlin, Java, Android Jetpack, XML.
- **Backend & Automation:** Node.js, Express.js, Puppeteer (Web Scraping), Docker, MySQL, MongoDB.
- **Tools & Project Management:** Git, Jira, Figma, VS Code, Android Studio.

PROFESSIONAL EXPERIENCE

Tjakrabirawa Teknologi Indonesia | AI Engineer | Aug 2024 – Present *AI Solutions firm specializing in generative workflows, computer vision, and cybersecurity automation.*

Generative AI & Agentic Workflows

- **Developed autonomous AI Agents** to orchestrate multi-step tasks across various services, improving operational efficiency and reducing manual intervention.
- **Built automated news crawling pipelines** and AI-driven summarization models to identify and process high-relevance industry data.
- **Engineered an end-to-end Generative Content System** that autonomously produces platform-specific captions and high-fidelity images for LinkedIn, Instagram, Facebook, and Blogs.

Cybersecurity & Automated Reporting

- **Architected AI powered Cybersecurity Summarization tools** to analyze threat intelligence, vulnerability reports, and security logs, providing actionable insights for security teams.
- **Automated Generative Report systems** for Executive Summaries, Scope of Work (SoW), and Penetration Testing results using LLM-based solutions, reducing report generation time by %.

LLM Infrastructure & Optimization

- **Deployed and fine-tuned Open-Source LLMs** (Llama, Hugging Face) using Ollama and dedicated GPU servers for specialized production environments.
- **Integrated custom OpenAI/ChatGPT APIs** to build tailored conversational agents with RAG (Retrieval-Augmented Generation) capabilities.
- **Optimized model performance and latency** for large-scale production use, ensuring reliable and scalable AI service delivery.

ONDELIVERY INDONESIA | Mobile Developer | Dec 2022 – Aug 2024 *Logistics and delivery platform connecting users with professional couriers.*

- **Engineered and maintained high-performance cross-platform applications** for both Drivers and Users on Android and iOS using the **Flutter** framework.
- **Implemented Redux for state management**, ensuring predictable state transitions and a seamless, reactive user experience across complex app flows.
- **Managed the end-to-end deployment lifecycle**, successfully publishing and updating multiple versions of applications on the **Google Play Store** and **Apple App Store**.
- **Collaborated in an Agile environment** with cross-functional teams to integrate new features, optimize API consumption, and improve system reliability.
- **Streamlined development workflows** by utilizing **Jira** for task tracking and **Git** for robust version control and collaborative coding.

THGO | Mobile Developer & UI/UX Designer | Jan 2022 – May 2023 *Multi-service on-demand ecosystem for transportation and merchant services.*

- **Led the full-cycle development** of a multi-sided ecosystem, transforming complex design concepts into interactive apps for Users, Drivers, and Merchants.
- **Utilized a diverse tech stack**, including **Flutter, Java, XML, and Android Jetpack**, to build scalable and visually consistent mobile interfaces.
- **Executed UI/UX design and prototyping**, ensuring that the final product met high standards of usability and aesthetic appeal before implementation.
- **Optimized application performance** by refactoring legacy code and implementing modern architectural patterns to reduce latency and improve stability.
- **Oversaw hosting and deployment processes**, ensuring high availability and a smooth onboarding experience for all end-users.

EDUCATION

Padang State University – Padang, Indonesia | Aug 2016 – Jun 2021

- Bachelor degree in Industrial Electrical Engineering | GPA 3.16
- Thesis: Goalkeeper Robot Monitoring Design Through Access Point As Robot Control Media

ORGANIZATION & CERTIFICATIONS

- **Head of Infokom:** UKM Robotika Dan Otomasi UNP (Developed official website and managed social publishing).
- **Head of Division:** Indonesian Wheeled Robot Contest (Managed budgets and team training).
- **Certificates:** Multimedia Animation LKS, TOEFL ITP Score: 457.
- **Languages:** English (Fluent), Indonesian (Native).