

ILHAM ARIF FARABI

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An Informatics Engineering graduate from Universitas Singaperbangsa Karawang with a GPA of 3.86/4.00 and hands-on experience in IT support, computer/mobile hardware, software development, and technical troubleshooting. Proficient in PC and Android troubleshooting, Web and Mobile development, API integration, and system deployment. Strong in problem-solving, analytical thinking, and attention to detail. Seeking opportunities as an IT Support, Technical Support, Web Developer, Mobile Developer, or Junior Cybersecurity.

EDUCATION

Bachelor of Informatics Engineering, Universitas Singaperbangsa Karawang 2022 – 2026
Graduated with a GPA of 3.86/4.00

WORK EXPERIENCE

INDEPENDENT PC, MOBILE & IT SUPPORT – Indonesia 2019 – 2026

Freelance Independent PC, Mobile & IT Support

- Built, upgraded, maintained, and troubleshoot desktop PC systems, including component selection, assembly, configuration, and system optimization.
- Diagnosed and resolved hardware and software issues involving CPU, GPU, RAM, SSD, motherboard, display, Wi-Fi, power, thermal systems, BIOS, drivers, and operating systems.
- Performed OS installation, BIOS configuration and installation, driver installation, software setup, and system troubleshooting.
- Evaluated hardware compatibility and system stability when selecting, upgrading, or replacing PC components.
- Performed hardware testing, benchmarking, stress testing, and troubleshooting to identify performance issues and system instability.
- Applied root-cause analysis to identify hardware, software, driver, configuration, and compatibility-related problems.
- Repaired Android smartphones through LCD/display, battery, charging module, and other hardware component replacements.
- Performed Android OS flashing and reinstallation using device-specific flashing tools, including OS upgrades, downgrades, and recovery from bootloop conditions.
- Diagnosed Android software and hardware issues, including boot failures, system instability, charging problems, and display-related issues.
- Installed and configured Wi-Fi networks and performed basic network troubleshooting, including UTP cable crimping and connectivity testing.
- Provided technical assistance and computer/mobile device maintenance support

Borneo Media – Kalimantan, Indonesia 2019 – 2023

Freelance Remote Web Developer

- Optimized SQL database design.
- Resolved critical bugs and errors to enhance site stability.
- Developed a secure QRIS payment gateway integration for seamless transactions.
- Configured SMTP protocols for automated email delivery.
- Enhanced website responsiveness using Bootstrap framework template.
- Automated repetitive tasks via cron job implementation.
- Mitigated SQL injection risks through robust security scripts.
- Managed the website DNS configuration and domain routing through Cloudflare.
- Configured and maintained the website on cloud hosting infrastructure, including server and hosting environment management.
- Rebuilt the website with PHP & Bootstrap for improved UI/UX, fixed broken features, and added requested functionalities.

Freelance Remote Web Developer

- Debugged and optimized website functionality across multiple modules.
- Developed an automated bank payment verification system using third-party gateway APIs.
- Integrated PPOB services via third-party API
- Streamlined workflows with cron job automation.

PROJECT EXPERIENCE

KSU SDExt Selective – South Tangerang, Indonesia

August 2026 – September 2026

Independent Personal Project

- Developed a KernelSU module for selectively migrating Android application data from internal storage to an external SD card.
- Implemented a WebUI for application selection, migration management, storage monitoring, progress tracking, operation logs, and rollback operations.
- Implemented filesystem detection and validation for SD-card partitions, supporting F2FS, ext4, and other Android/Linux kernel-supported filesystems.
- Developed data verification mechanisms using metadata, file count, and byte-size validation to ensure migration integrity.

(GWS) Get Wellbeing System – Karawang, Indonesia

September 2024 – January 2025

Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka - Mobile Developer Cohort

- Designed UI/UX in Figma for intuitive navigation.
- Translated Figma designs to Android Studio with precision.
- Implemented MVVM for cleaner and scalable code.
- Implemented machine learning for the chatbot to support intelligent and responsive user interactions.
- Used DataStore, SharedPreferences, and Room for offline local data persistence support.
- Integrated APIs via Retrofit for real-time data.
- Built dynamic UI with Fragments and Navigation Component.

Jadwal Waktu Shalat – Karawang, Indonesia

May 2024 – June 2024

Web Server Course at Universitas Singaperbangsa Karawang

- Deployed and configured Cloud VPS and control panel
- Managed DNS setup via Cloudflare CDN
- Built real-time prayer schedule tracker using cURL

Penetas Telur – Karawang, Indonesia

May 2024 – September 2024

Embedded System at Universitas Singaperbangsa Karawang

- Designed and prototyped an embedded system using microcontrollers, DHT22 sensors, and peripheral components.
- Configured IoT connectivity to send real-time sensor data reports via Telegram & Application.
- Implemented a functional prototype with ESP32, DHT22, and LCD modules.

Pencegahan Trojan – Karawang, Indonesia

November 2023 – December 2023

System Security at Universitas Singaperbangsa Karawang

- Reverse-engineered trojan-infected Java applications to analyze malicious behavior.
- Developed a script to disable trojan-controlled APIs via automated request flooding.
- Deployed the solution on a Cloud VPS for 24/7 execution, disrupting the trojan's operation.

SKILL

Technical: PC Hardware & Software Troubleshooting, Android Troubleshooting & Flashing, Operating Systems, BIOS Configuration, Networking, Hardware Diagnostics, API Integration, Git/GitHub, Linux, Cloud VPS, Deployment, Database Management, Postman, Figma, HTTP Toolkit, Postman, Microsoft Office(Word, Excel, PowerPoint), Google Product (Spreadsheet, Gmeet, Google Collabs, etc), Codeanywhere, Canva, VSCode, Zoom, ChatGPT, Claude, Gemini, atau GitHub Copilot.

Programming Language: PHP, HTML, MySQL, JSON, Javascript, Java, Kotlin, C++, Shell.

Softskills: Problem-Solving, Attention to Detail, Analytical Thinking, Adaptability, Teamwork, Patience and Persistence.

Language: Fluent in Indonesia, Fluent in Javanese, Intermediate in English.