

Moh Minhajul Mubarak

+6285726772962; minhajulmubarak@gmail.com; <https://www.linkedin.com/in/minhajulmubarak/>;
<https://hellominhaj.com>

EDUCATION

Universitas Negeri Semarang

Bachelor of Science - Computer Science, Faculty of Math and Science

Sep 2016 – Dec 2021

- Best Graduate of Period II 2021
- Robotics Research & Competition: Active member representing the university in national/regional soccer robotics competitions (KRSBI); autonomous navigation and computer vision.
- Thesis: Indonesian abstractive news summarization using sequence-to-sequence LSTM deep learning.
- **GPA:** 3.71 / 4.0

CERTIFICATION

Internal Auditor ISO/IEC 27001:2022

February 2024

- Proficient in performing internal audits, identifying security gaps, and ensuring organizational adherence to Annex A controls and management system requirements.
- Issuing Organization: Arrowhead
- Credential ID: 009/AC/ISMS/0496/II/2024, [Verify Certificate](#)

WORK EXPERIENCES

Weeswares (Singapore)

AI Engineer · *Full-time* · *Remote*

June 2026 – Present

- Building CaritaHub, an AI voice assistant with a caring, empathetic tone for senior care and healthcare, deployed fully on-premise.
- Designed warm, empathetic conversational voice experiences using Pipecat, tailored to senior care and healthcare contexts.
- Architected on-premise AI deployment combining local models (Ollama) with cloud models (AWS Bedrock, Azure), routing between them to balance data privacy, latency, and capability.
- Built features prioritizing accessibility, safety, and trust for elderly and healthcare users.

Tech Stacks: Pipecat, Ollama, AWS Bedrock, Azure, Python, Docker

Gotrade

Backend Developer · *Full-time*

November 2024 – May 2026

- Part of the Loyalty Team, focused on building features that drive user growth, engagement, and stock trading accessibility for a global market.
- US Stock Product Development: Engineered key features for the US stock market platform, including Stock Gift functionality and the Web Trading interface.
- Full-Stack Implementation: Delivered end-to-end solutions across the stack, encompassing Mobile app features, Web frontend (Landing pages), and robust Backend services.
- AI-Assisted Development: Leveraged Claude Code to accelerate feature delivery, automate code refactoring, and improve code quality across the stack.

Tech Stacks: Javascript, PHP, Flutter, Mysql, Docker, AWS, Gatsby, Laravel, React JS, Next JS, Tailwind Css, Claude Code

UMEDS

Co Founder & CTO · *Part-time*

March 2012 – Present

- As a Co-founder and CTO, I spearheaded the end-to-end digital transformation of UMEDS, building the entire technical ecosystem from the ground up to support medical students across Indonesia.
- Product Strategy & Research: Conducted extensive business case research to translate educational needs into scalable technical solutions, bridging the gap between medical pedagogy and technology.
- Full-Stack Development: Architected and developed the complete product suite from scratch, including:
 - Mobile Apps: High-performance iOS and Android applications for students.
 - Web Client Area: A seamless web platform for accessible learning management.
 - Internal CRM Tools: Custom-built systems to optimize operational efficiency and user management.
- Engineering Leadership: Led and mentored a technical team; established dev standards and ensured platform stability.
- AI Workforce Initiative: Designed and built a multi-agent AI “employee” system that augments Data Scientists and SEO Specialists—automating research, content generation, keyword analysis, and reporting workflows using Openclaw.

Tech Stacks: Javascript, PHP, Flutter, Mysql, Docker, AWS, Inertia, Laravel, React JS, Next JS, Tailwind CSS, Claude Code, Openclaw

MIFX

Backend Developer · *Full-time*

May 2022 – November 2024

- High-Scale Impact: Contributed to Indonesia’s #1 forex broker, supporting a high-performance platform with over 2 Million users.
- Trading Product Development: Engineered core trading features including Trading Signals, Economic Calendar, Sentiment Analysis, and real-time market data tracking (Top Movers/Volume).
- Growth & Marketing Tools: Developed high-engagement systems such as Trading Competitions, Challenges, and Coupon systems to drive user acquisition.

Tech Stacks: PHP, Mysql, Postgre Sql, Docker, AWS, Laravel, Yii2

UPT TIK Universitas Negeri Semarang

Junior Programmer · *Full-time*

March 2020 – May 2022

- Scalable Applications: Developed and managed SIAKAD (Academic System) and PEMIRA (E-Voting), supporting over 30,000+ student users.
- Legacy Modernization: Upgraded legacy PHP applications by integrating Laravel Illuminate packages to improve stability and maintainability.

Tech Stacks: PHP, Mysql, Docker, AWS, Laravel, Codeigniter, Wordpress, Tailwind CSS

IKITAS (Inkubator Kreasi dan Telematika Semarang)

Junior Programmer · *Full-time*

March 2020 – May 2022

- CMS Development: Engineered a custom Content Management System (CMS) from scratch to manage blog publications and internal event listings for the business incubator.
- Feature Implementation: Developed core functionalities including content scheduling, category management, and automated event registration using PHP and Laravel.

Tech Stacks: PHP, Mysql, Laravel, Codeigniter, Wordpress

ORGANIZATIONAL AND VOLUNTEER EXPERIENCES

Google Developer Student Clubs

Community Lead Universitas Negeri Semarang

Aug 2019 – Aug 2020

- Led a student community focused on helping peers learn effectively and build meaningful connections across campus.

TECH STACKS

- Backend: PHP (Laravel, Slim, Yii), MySQL, Swoole, Nodejs, Javascript
- Frontend: React, Nextjs, Gatsby, Inertia, Livewire, Tailwind, jQuery
- Mobile: Flutter
- DevOps: Linux, Docker, AWS (EC2, RDS, SES)
- AI: Claude Code, Openclaw, Ollama

LANGUAGES

- Indonesian (Native); English (Professional Working Proficiency)