

# KHALED MAKKAWIRELANG

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## PROFESSIONAL PROFILE

I'm a full-stack developer with a strong passion for solving complex problems through technology. I completed my Associate's Degree in Information Communication Technology at CCIT Faculty of Engineering University of Indonesia, where I laid the foundation for my skills in front-end and back-end development. I am currently pursuing a Bachelor's degree in Information Technology at Trilogy University while working as a Junior Programmer, where I've been entrusted with leading digital transformation projects.

One of my achievements is thriving in a high-pressure environment. I manage multiple critical tasks—such as the development of procurement purchase request systems and travel business management system—on my own, consistently delivering results. I excel at working under pressure and meeting tight deadlines while maintaining high-quality outputs. My ability to adapt to new challenges has been key to successfully driving significant improvements in organizational efficiency, even in fast-paced environments.

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## WORK EXPERIENCES

### IT Programmer Internship – Mineral Alam Abadi Group

Aug 2023 – Jan 2024 | Jakarta, Indonesia

- Developed an efficient Ticketing System for IT and General Affairs Divisions, which processed 30+ monthly tickets, increasing request resolution speed by 80%, and improving employee engagement by fostering faster issue tracking and response times.
- Designed and implemented a dynamic company profile, enabling 70% improvement in candidate screening efficiency by providing real-time access career opportunities, and essential company information.
- Proactively contributed to technical decisions, driving application efficiency improvements by 50%, and ensuring robust and scalable structures for future development.

### Software Engineer (UI/UX) Internship – Ministry of Communication and Information Technology of the Republic of Indonesia

Jun 2023 – Aug 2023 | Jakarta, Indonesia

- Collaborated with colleagues to design the UI/UX for the SiANTI mobile application, a monitoring spectrum radio certification tool that oversees 100+ companies in Indonesia, ensuring compliance with legal regulations and preventing illegal usage of radio spectrum devices.
- Simplified complex compliance processes through intuitive interface design, leading to 70% faster adoption for developer to develop the application
- This internship contributed to the development of my thesis, titled 'SiANTI by KOMINFO UI/UX Design,' solidifying the foundation of the project for future improvements.

### Junior Programmer – Mineral Alam Abadi Group

Jan 2023 – Now | Jakarta, Indonesia

- Spearheaded several digitalization projects, such as the Courier Service System, Meeting Room Booking System, EIP - Stock Plan & Request, and Industrial Relation - Ask MILA, leading to a 65% improvement in operational efficiency and streamlined business workflows.
- Currently developing ongoing projects, including Travel Business Management and the integration of user data from Mekari Talenta into EIP (our in-house system), impacting 1000+ users within the organization by optimizing daily business travel operations and streamlining reporting processes, leading to 95% improvement in task efficiency and data accuracy.

### Business System Analyst – Codenito

Jun 2023 – Now | Jakarta, Indonesia

- Led 3+ client meetings to gather and clarify project requirements, ensuring alignment between client expectations and development outcomes.
- Created ERDs, flowcharts, and blueprints using mermaid syntax, enhancing project planning by 75%.
- Facilitated continuous communication between 3+ development teams and 3+ clients, minimizing miscommunication and reducing project delays by 20%.
- Assisted in task breakdown and project management, streamlining project workflows and improving task clarity by 80%.

## SKILLS

### Hard Skills :

- HTML, CSS, JavaScript, MySQL & PHP (**Proficient**):

Integrated these technologies to develop full-stack web applications at Mineral Alam Abadi's Group, such as the Courier Service System and Meeting Room Booking System, etc. Used HTML/CSS for responsive design, JavaScript to enable dynamic and interactive user experiences, PHP for back-end logic, and MySQL to manage database operations. This stack powered systems for 100+ users, resulting in a 35% increase in efficiency, and improved user engagement.

- React.js, Vite.js, Tailwind CSS, Node.js (**Proficient**):

Utilized these technologies to develop engaging front-end side's such as Company Profile - CLA Legal Associate, Perfect Pallette, Flora Care at Codenito, this work enhanced user interfaces and overall user experience, ensuring responsive and visually appealing designs.

- Express.js, RestAPI, Postman (**Proficient**):

Leveraged these technologies to develop the PTSMS Data Management System for Codenito, enabling efficient management of internal databases for the client PTSMS. This system streamlined employee management processes, improving internal workflows and facilitating seamless data interactions. Additionally, implemented data integration with Mekari Talenta using Express.js, including unlocking HMAC for secure data transfer, enhancing user data accuracy by 100% and operational efficiency for 2000+ users within the organization.

### Soft Skills :

- Adaptive: Adapted quickly to different project requirements, managing 5+ digitalization projects at Mineral Alam Abadi Group.
- Commitment: Always strive to deliver the best possible outcome for every project I work on, ensuring high-quality results and attention to detail.
- Project Management: Assisted in breaking down every task and managing projects at Mineral Alam Abadi Group and Codenito, improving project planning and delivery by 70%.

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## EDUCATION

### University of Indonesia CCIT Engineering Faculty

Associate's Degree of Information Communication Technology  
with 3.38 of GPA Score.

Depok, Indonesia

Aug 2021 – Aug 2023

### Trilogy University

Bachelor's Degree - Information Technology

Jakarta, Indonesia

Sep 2024 – Now

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## COURSES

### Purwadhika Digital Technology School

IoT Coding for Teens

South Tangerang, Indonesia

Jan 2018 – Aug 2019

- Final Project: "Smart Water Level Sensor for Pet Hydration Management Using Arduino"

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## CERTIFICATIONS

- [IoT Coding For Teens](#) (certified by Purwadhika Digital School) Aug 2019
- [Belajar Dasar Git dengan Github](#) (certified by dicoding) Sep 2023
- [Belajar Dasar Structured Query Language \(SQL\)](#) (certified by dicoding) Sep 2023
- [Memulai Dasar Pemrograman untuk Menjadi Pengembang Software](#) (certified by dicoding) Sep 2023
- [Belajar Dasar-Dasar DevOps](#) (certified by dicoding) Apr 2023
- [Introduction To Front End](#) (certified by MySkill) Mar 2023
- [TOEFL ITP](#) (certified by Golden English) Oct 2023

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## ORGANIZATION

### CCIT SQUAD Associated with CEP-CCIT FTUI University of Indonesia Depok

Event Coordinator

Depok, Indonesia

Jan 2022 – Jan 2023

- Planning, and Arranging and Coordinating campus event schedule such as opening and closing for Open House Campus Tour.

**“UI Film Festival” by University of Indonesia**

**Depok, Indonesia**

*Media Relation Vice Coordinator*

*Apr 2022 – Aug 2022*

- Created viral video content for Instagram and TikTok, resulting in a 40% surge in engagement and a substantial 25% growth in followers.
- Efficiently liaised with media partners, playing a pivotal role in coordinating successful partnerships with more than 10 key collaborators and achieving a 30% enhancement in response time
- Developed and executed engagement strategies across TikTok, Instagram, and Twitter, fostering collaborations with over 10 impactful media partners