

# MUHAMMAD WILDAN ALDIANSYAH

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## EDUCATION

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**Brawijaya University – Malang, Indonesia**  
B.Sc. in Computer Science; Cumulative GPA: 3.64/4.0

Graduation: Jun 2021

## EXPERIENCE

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### PT Ruang Raya Indonesia – Jakarta, Indonesia

Software Engineer (Backend)

Jan 2022 – Present

- Orchestrated technical planning and delivery of the Skill Academy PPD's SEO project. Increased organic traffic by 6+ times (Jan-Jun 2022) and saved ad spending by hundreds of millions of Rupiah/month (e.g., **500+ Million** in June 2022). As further notes, organic traffic users in Skill Academy are six times more engaged than paid traffic users.
- Spearheaded the technical planning, engineering documentation, and delivery of the Prakerja Project, a pivotal initiative that revolutionized the company's website and mobile apps to comply with the latest government regulations. This resulted in a resounding victory in the Prakerja Market, generating billions of Rupiah in revenue.
- Optimized the Skill Academy operation by speeding up the Jenkins job from around 3-5 minutes into under 10s (increase build time **~90%**). Increased the operation delivery for content creation based on build time by **three times** faster.
- Led the technical planning and delivery for reducing the service cost usage in Skill Academy by refactoring the worker feeder to Elasticsearch. The cost was reduced by around **98%** from a million to less than a thousand Rupiah.
- Led the technical planning, communication, and delivery of the Skill Academy Blended + Webinar + Face-to-Face Projects, resulting in a remarkable 2.3x increase in transactions since its initial launch in January 2023.
- Tech Stack: Golang, Python, GRPC, Redis, MySQL, Google Cloud Platform, and Jenkins.

### PT Majoo Teknologi Indonesia – Jakarta, Indonesia

Software Engineer (Backend)

Jan 2021 – Dec 2021

- Led technical planning, refactoring process, and delivery for sales report optimization. The sales report is up **2-3 times** faster with **200 million** transactions.
- Delivery related to stock management feature for Indonesia marketplace (Shopee & Tokopedia) integration. Users' stock data are synchronized between the Majoo dashboard to marketplaces.
- Responsible for technical planning and delivery of accounting services with Cost of Goods Sold (COGS). Increased user's facility to calculate profit and loss and selling price prediction easier.
- Become a mentor for newcomers. Introduced them to Majoo cultures, engineering stack, and technology. Giving materials and practicals for internal tools and common issues related to the engineering process.
- Led technical planning, communication, and delivery for Majoo sales and accounting reports (daily - yearly report, outlet report, etc.). Integrated with the Point of Sales (POS), marketplace, and accounting features.
- Delivery related to the Majoo belanja feature increased sales twice for the b2b market and users' facility for buying goods.
- Tech Stack: Golang, Kafka, Redis, MySQL and PostgreSQL.

### PT. Woolu Aksara Maya – Jakarta, Indonesia

Software Engineer (Backend)

Apr 2020 – Sep 2020

- Responsible for thriving Indonesia's digital book publishing through technology. Focus on backend development to deliver the writing collaboration system until publishment.
- Tech Stack: MocoBAAS, IDFS Auth, Redis, Postgres, GraphQL, and NodeJS.

Software Engineer

Jan 2020 – Apr 2020

- Responsible for creating an Android library of handwritten recognition using OpenCV and Tensorflow Lite, enabling accurate identification of handwritten text. Creating an Android library for handwritten sketches provides users a seamless experience of capturing and annotating their ideas.
- Provide building robust backends for handwritten apps using NodeJS, ensuring efficient data management and seamless integration with front-end and mobile application systems.

## PT. Alfath Teknologi Grup – Malang, Indonesia

Software Engineer Intern

Apr 2019 – Jul 2019

- Responsible web application delivery, focusing on pharmacy B2B applications.
- Tech Stack: CodeIgniter and MySQL.

## Brawijaya University – Malang, Indonesia

Lab Assistant of Basic Programming

Sep 2019 – Des 2019

- Taught basic programming concepts (Java) to 70+ students, graded home works, made practice and quiz problems. Providing materials and practicals to students for one semester.

Web Developer Staff of Turnamen Catur Raja Brawijaya

Aug 2019 – Nov 2019

- Responsible as a Web Developer (CodeIgniter & MySQL) by providing comprehensive tournament information and a seamless registration website, revolutionizing the chess competition registration by employing cutting-edge web technology for the first time in seven years with hundreds of users registering and participating in the event.

## SIDE PROJECT

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### Photobooth – Booth of Us

Software Engineer

Jun 2022 – Present

- Led technical planning, gathering requirements, and communication with the client to deliver website and desktop application (DSLRBooth) for photo booth session. Successfully gain profit for **tens of millions** of Rupiah (Jun 2022 - Jun 2023).
- Tech Stack: Golang, React, DSLRBooth, and Ngrok.

### International Relations Apps – Brawijaya University

Software Engineer

Sept 2021 – Oct 2021

- Led technical planning, gathering requirements, and communication with the client to deliver web applications to help students and lecturers manage essays and practical work.
- Tech Stack: Laravel 8, React, Google OAuth2.0, and MySQL.

### Chroma Minecraft

Software Engineer

Sept 2020 – Feb 2022

- Spearheaded the Minecraft game service with **11 thousand players** through the architecting system (game service, payment, and notifier), established the in-game events for hundred players, and contributed to the Minecraft game mode ideation.
- Led the payment integration with digital game currency, integrating the Indonesia payment system (Tripay) to accelerate the in-game payment process. Successfully accelerate from manual to automatic payment five times faster and gain tens of millions of Rupiah.
- Tech Stack: Golang, MySQL, NodeJS, and Amazon Web Services.

## HONORS & AWARD

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### GEMASTIK XIII - Ministry of Education and Culture

Oct 2020

Finalist Software Development Competition

- Enhanced an application to solve the uneven distribution of prices in animal husbandry.

### Arkavidia - Institute Technology of Bandung

Feb 2020

3<sup>rd</sup> Place Hackavidia Competition

- Develop an application to solve the uneven distribution of prices in animal husbandry.

### INTENTION - University of Padjajaran

Oct 2019

Favorite Winner Apps Development Competition

- Develop a marketplace to bring designer and their client.

## ADDITIONAL

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**Skill:** Golang, Javascript, Typescript, PHP, Java, Docker, GraphQL, MySQL, Postgre, Kafka, React, Redis, Elasticsearch, Grafana, Google Cloud Platform (GCP), and Amazon Web Services (AWS).