

# DANDI MUHAMAD ZAKI

+62-851-1738-8153 | Email: dandimuzaki@gmail.com |  
LinkedIn: linkedin.com/in/dandimuzaki/ | Github: github.com/dandimuzaki

## PROFILE

---

IT & Software Engineer with a strong foundation in full-stack development, machine learning, and data-driven problem-solving. Graduated with a 3.90 GPA from Institut Teknologi Bandung with experience in building scalable web systems, secure API solutions, and user-friendly interfaces. Proven adaptability through cross-domain projects in entrepreneurship, e-commerce, and sustainability. Skilled in collaboration and leadership, with hands-on experience leading student organizations and startup initiatives. Passionate about driving digital transformation by delivering secure, efficient, and innovative IT solutions.

## EXPERIENCES

---

### KEBUN DEX (PT. Kebun Online Agrobisnis)

Apr 2025 - Jun 2025

#### Marketing Analyst

- Conducted data-driven market research on supply and demand for agricultural commodities.
- Built REST API to fetch UN Comtrade API and clean 10,000+ monthly trade records to serve real-time trade data queries.
- Developed interactive React dashboard to visualize export/import trends, top commodities, and country comparisons.
- Designed data model and implemented query filters with <2s response time for 1k+ data rows.
- Enabled CSV export and data cleaning pipeline improving accuracy and reducing duplicates by 30%.
- Tech stack used: VueJS, Django, Pandas

### STEAFREE

May 2024 - Jul 2024

#### Co-Founder & Web Developer

- Co-founded a student venture focused on healthy cold brew coffee, secured 5 million rupiahs of funding.
- Built a fully responsive landing page, improving mobile usability and layout consistency across devices.
- Optimized page load time to under 3 seconds, enhancing user experience.
- Tech stack used: VueJS, Laravel

### Yayasan Kazeto Putra Perkasa

Feb 2024 - Jun 2024

#### Nature Sustainability Project

- Developed a machine learning model to recommend optimal crops based on soil and climate features (NPK levels, temperature, humidity, rainfall).
- Designed a sustainable integrated farming system for an underprivileged family, combining poultry farming (30 chickens), crop (1,000 m<sup>2</sup>), and waste management.
- Conducted SWOT analysis, economic feasibility, and budgeting to evaluate business potential.
- Tech stack used: Python, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn

### AGRIPACUL (Agricultural Pest Predator Cultivator)

Sep 2022 - Oct 2023

#### Co-Founder & Web Developer

- Co-founded a student-led agri-tech startup; prepared pitch decks and secured 10 millions of rupiah in funding from 2 entrepreneurship programs.
- Developed a farm-to-consumer e-commerce prototype with 6 core features (product listing, cart, checkout, order management, payment simulation, admin dashboard).
- Resolving 12+ critical bugs and implementing centralized error handling across 15+ endpoints.
- Designed and implemented scalable e-commerce features including order success flow, role-based authentication, and real-time notifications.
- Tech stack used: ReactJS, NodeJS, ExpressJS, MongoDB, PostgreSQL

## PORTFOLIO PROJECTS

---

### CashTrust

- Built a responsive finance dashboard for Micro, Small, and Medium Enterprises to track income, expenses, and savings across multiple time periods.
- Reduced cashflow reconciliation time by 83% (2 hours → 20 minutes).

- Automated calculations, cutting manual expense errors by 85%.
- Improved app responsiveness by 100% (from constant freezing to smooth 60 FPS rendering) through debugging and implementing memoization and callback function.
- Integrated real-time analytics and visualizations for monthly and category-based transactions using 3 dynamic charts (bar, pie, and summary cards).
- Tech stack used: ReactJS, NodeJS, ExpressJS, PostgreSQL

### ShuttleTime

- Designed backend architecture using Golang and ensured 0 overlapping bookings using time-slot validation logic.
- Successfully implemented end-to-end mock payment flow using Midtrans Sandbox (Core API + manual settlement).
- Tech stack used: TypeScript, NextJS, Golang, Gin, GORM

## EDUCATION

- **Institut Teknologi Bandung** *Aug 2020 - Aug 2024*  
B.Eng of Agriculture Engineering  
GPA: 3.90/4.00
- **Lumoshive Academy Bootcamp** *Nov 2025 - Current*  
Golang Backend
- **Amazon Web Service re/Start** *Oct 2025 - Current*  
Cloud Computing

## ORGANIZATION EXPERIENCES

- **HIMAREKTA “Agrapana” ITB** *Jul 2023 - Jun 2024*  
Head of Professionalism Division
  - Led the division to accomplish 100% of the key results by establishing 3 events on professional development of agricultural engineering.
  - Achieved an average engagement rate of 18% by creating content about agricultural issues.

- **Keluarga Paduan Angklung ITB** *Jun 2022 - May 2023*  
Vice Person of Jatinangor
  - Established 4 internal events and 2 interactive angklung sessions to introduce KPA-ITB more widely in ITB.
  - Lead a team of 15+ members to establish a graduation celebration of Keluarga Paduan Angklung ITB.

## ACHIEVEMENTS

- Awardee of **Program Pembinaan Mahasiswa Wirausaha dan Kewirausahaan Mahasiswa Indonesia Expo**, Institut Teknologi Bandung, 2022
- Awardee of **Planned Technopreneurship Program x Technopreneurship Orientation Program**, Institut Teknologi Bandung, 2023
- Awardee of **Program Mahasiswa Wirausaha**, Institut Teknologi Bandung, 2024

## TECHNICAL SKILLS

- **Programming Language** : Python, JavaScript, Golang
- **Frontend Development** : HTML, CSS, ReactJS, VueJS, NextJS
- **Backend Development** : NodeJS, ExpressJS, Laravel, Django, Gin
- **Machine Learning** : NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow
- **Databases** : MySQL, PostgreSQL, MongoDB
- **Soft Skills** : Leadership, teamwork, communication, problem-solving

## CERTIFICATIONS

- **Digital Talent Development Center**: Fundamentals of Machine Learning, Practical Real Business Application using Machine Learning
- **Dicoding**: Front-End Web Development, Cloud and Gen AI Basics, Back-End Web Development, Generative AI, Data Science