

## FERROL AZKI MASHUDI

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Dept. of Software Engineering Technology IPB University, Bogor, Indonesia 16128

### ABOUT ME

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Backend Developer with a vocational education background and current student at IPB University Vocational College. Experienced in web development projects through internships and freelance. Skilled in PHP, Laravel, JavaScript, TypeScript, Golang, and ExpressJS. Familiar with project-based learning environments. Proven track record in national IT competitions. Fast learner, adaptable, and dedicated to contributing to team success.

### EDUCATION

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#### IPB University College of Vocational Studies

Bachelor of Applied Science (B.App.Sc), Software Engineering Technology

GPA: 3.37/4.00

Bogor, West Java

Expected, July 2026

#### PESAT Vocational School

Software Engineering

Report Average: 85.00/100

Bogor, West Java

2019-2022

### RELATED PROFESSIONAL EXPERIENCE

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#### PT. BANGUN SINAR INDONESIA

*Freelancer Backend Developer*

Jakarta, Indonesia

Oct 2024 – Jan 2025

- Developed scalable and secure RESTful APIs to support web applications, helping the team speed up feature development and reduce bugs in data flow.
- Designed and managed relational and non-relational databases with optimized performance, which made data access faster and more reliable for users.
- Implemented authentication, authorization, and security best practices for protecting user data and preventing unauthorized access.
- Integrated third-party services and handled server-side business logic, ensuring all features worked well and stayed online.
- Participated in Agile development lifecycle, including daily stand-ups, sprint planning, code reviews, and deployment, helping deliver features on time with consistent quality.

#### PROJECTHUB.ID

*Chief Technology Officer*

Bogor, Indonesia

April 2023 – Aug 2024

- Developed and managed the entire backend infrastructure using PHP and Laravel, including APIs, database schema, and server-side logic.
- Implemented secure authentication and third-party service integrations, ensuring platform functionality and data protection.
- Gained end-to-end ownership of technology decisions, laying the foundation for scalable architecture and deeper understanding of backend best practices.
- Collaborated in Agile workflows and contributed to key technology decisions, gaining hands-on experience in API decoupling, WebSocket implementation, and scalability planning.

- Assisted in building and customizing WordPress-based websites, including theme configuration, plugin integration, and basic front-end styling using HTML, CSS, and PHP—enabling faster delivery of responsive and functional client websites.
- Supported website deployment and hosting setup, gaining practical experience in domain and server management, which improved launch efficiency and reduced website downtime.
- Contributed to task reporting, documentation, and internal communication, enhancing overall team coordination and project transparency.
- Strengthened foundational knowledge in web technologies, laying the groundwork for future growth in backend and full-stack development.

**HONORS AND AWARDS**

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1st Winner Web Developer Konkiti Competition	2025
2nd Winner Web Programming Competition INV FEST X ISF 9.0	2025
1st Winner Hackathon AgriTechJam by Agriinformatics Himalkom IPB	2024
2nd Place Winner AISCOM (Accounting Information System Competition)	2023
BNSP Junior Web Development Competency Certificate (Competent)	2022
PHP Web Programming Basic Level Competency Certificate (Competent)	2021
Industrial Work Practice Certificate (Excellent)	2021
Web Design Competency Certificate	2020

**SKILLS & TECHNICAL PROFICIENCIES**

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- Programming Languages: PHP, JavaScript, TypeScript, HTML/CSS, SQL, Go
  - Frameworks & Libraries : Laravel, ExpressJS, NodeJS, Gin
  - Databases : MySQL, NoSQL, Prisma, GORM
  - Tools & Stack : Version Control (Git), REST API Development, Postman.
  - Others: Object-Oriented Programming (OOP), Problem Solving, Agile Methodologies

**PUBLISHED WORK**

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- Jurnal Sistem Informasi dan Ilmu Komputer Vol 02 No. 4 (2024): Sistem Pengenalan Warna Berbasis OpenCV untuk Mendukung Aksesibilitas pada Individu dengan Buta Warna <https://doi.org/10.59581/jusiik-widyakarya.v2i4.4199>
  - Jurnal Kridatama Sains dan Teknologi Vol 06 No. 2 (2024): “Pengujian Black Box Testing Pada Sistem Website Osha Snack: Pendekatan Teknik Boundary Value Analysis” <https://doi.org/10.53863/kst.v6i02.1407>
  - Switch Jurnal Sains dan Teknologi Informasi Vol 03 No.1 (2025): Membangun Bisnis Digital melalui Project-Based Learning: Studi Pengembangan Website Pemesanan Online siMenu <https://doi.org/10.62951/switch.v3i1.327>