

WAHYU NATA MAHENDRA

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I have been deeply involved in programming since 2020, continuously developing my skills in UI/UX design, web development, and programming. With a strong foundation in front-end and back-end development, I specialize in creating scalable and high-performance web applications using modern frameworks and clean code principles. My experience includes working as a Front-End Developer at PT Telkom Indonesia and participating in HackFest 2024 Google Developer Student Clubs, where I developed interactive and easy-to-use applications. I am proficient in React.js, Vue.js, Laravel, Node.js, Golang, and Python, as well as database management using MySQL, PostgreSQL, and Firebase. Apart from coding, I am also very interested in UI/UX design, ensuring that every application I develop not only functions optimally, but also provides a great user experience. My adaptability, problem-solving skills, and commitment to continuous learning make me a valuable asset in any software development team.

Work Experiences

PT Kawan Kerja Indonesia - Bandung, Indonesia

Oct 2024 - Feb 2025

UI/UX Designer

Kawan Kerja Indonesia is a technology company that provides digital services such as web development, mobile, UI/UX design, cybersecurity, and job search platforms to support the needs of businesses and individuals in the digital era.

- Conducted research and implemented the results into the design.
- Designed web and mobile interfaces for the English platform using Figma.
- Created wireframes & high-fidelity prototypes to visualize user flows before code implementation.
- Collaborated with product and development teams to ensure efficient design implementation.
- Integrated a design-to-code approach, making the transition from design to development more seamless.
- Developed guidelines & design documentation to facilitate implementation for the development team.
- Ensured UI element consistency according to the company's design system & brand guidelines.

PT Telkom Indonesia (Persero) Tbk - Bandung, Indonesia

Jul 2024 - Aug 2024

Front End Developer

PT Telkom Indonesia (Persero) Tbk is a state-owned enterprise engaged in telecommunications and digital technology. Telkom provides broadband services, data centers, cloud computing, and digital solutions to support technological transformation in Indonesia.

- Designed and developed the user interface (UI) for SiTTel, a digital signature management platform.
- Implemented responsive UI/UX designs using Tailwind CSS, React.js, and JavaScript.
- Optimized the user experience (UX) by improving navigation, layout, and user interactions on the web application.
- Collaborated with developers and stakeholders to create wireframes, interactive prototypes, and user flows using Figma.
- Conducted UI/UX testing and iterated designs based on user feedback to enhance usability.
- Implemented state management in React to ensure a smooth user experience in document handling.
- Adapted designs and features to be compatible across different screen sizes while maintaining optimal performance.

Informatics Lab Telkom University - Bandung, Indonesia

Feb 2024 - Jun 2024

Computer Network Practicum Assitant

Laboratories that have an important role in helping students to understand the theory of a course in class, and practiced in the laboratory.

- Taught students about the implementation of computer network material in the classroom
- Helped students learn to use the Python programming language and Wireshark tools.
- Mentored students in completing the final project in the computer network course.
- Provided technical support and troubleshooting assistance during lab sessions.

Education

Telkom University - Jl. Telekomunikasi. 1, Terusan Buahbatu - Bojongsoang, Telkom University, Sukapura, Kec. Dayeuhkolot, Kabupaten Bandung, Jawa Barat 40257

Sep 2021 - Feb 2025

Bachelor of Informatics Engineering, 3.85/4.00

- Developed strong skills in UI/UX design, enhancing the overall user experience and interface of web applications.
- Learned web development and implementation of web page design to code using HTML, CSS, JavaScript, and several frameworks such as React.js, Bootstrap, Laravel, and Tailwind CSS.
- Learned programming languages such as Python, GO, C++, C, PHP, and Java.
- Learned database management with MySQL, SQL, and Oracle.
- Used Git and GitHub for various projects.
- Learned methods in machine learning such as GRU, CNN, Random Forest, KNN, and Naive Bayes.
- Completed several projects, including Jelajah Web App, redesigned the Learning Management System of Telkom University, and solving problems with code in various programming languages such as C++, Python, Socket programming, and Java.

Organizational and Committee Experiences

Google Developer Student Clubs Telkom University - Bandung

Dec 2023 - Present

Member

Google Developer Student Clubs is community groups for students interested in Google developer technologies. GDSC bridges the gap between theory and practice for student developer. Create supportive community system in university to empowering students with collaboration and contribution to create impact for everyone.

- Participated in coding sessions and hackathons to solve real-world problems using Google technologies and other programming tools.
- Developed and contributed to open-source projects, enhancing skills in collaboration, version control, and software development.
- Attended webinars and sessions led by industry professionals to gain insights into the latest trends and advancements in technology.

HackFest 2024 - Bandung

Dec 2023 - Jan 2024

Hacker

HackFest Indonesia is a national hackathon by GDSC Indonesia where university students from across the country develop impactful software or hardware based on the UN's 17 SDGs.

- Collaborated with a diverse team to brainstorm, design, and implement a functional prototype within the hackathon timeframe.
- Utilized programming languages and frameworks such as HTML, CSS, JavaScript, React.js, and others to build the project.
- Gained hands-on experience in rapid prototyping, teamwork, and problem-solving under tight deadlines.
- Conducted research to identify relevant problems and propose effective technological solutions.

Badan Perwakilan Mahasiswa HIMA IF - Bandung

Oct 2023 - Jun 2024

Internship at the Supervisory Commission

Badan Perwakilan Mahasiswa (BPM) is an organization that represents all Telkom University Informatics undergraduate students and supervises the performance of the Badan Pengurus Harian (BPH) HIMA IF Telkom University.

- Held a work program design meeting with BPH HIMA IF.
- Supervised the implementation of the BPH HIMA IF work program.
- Held a limited meeting with BPH HIMA IF.
- Assessed the performance of BPH HIMA IF.

Begawi Adat - Bandung

Jun 2023 - Nov 2023

Head of Sponsors Division

Lampung cultural performance event at Telkom University.

- Organized the sponsorship division.
- Created a timeline using the project manager such as Trello.
- Designed a business scheme to raise funds.
- Created list of companies with Microsoft Excel and Spreadsheet.
- Worked with companies to make the event a success.

FORTRAN HIMA IF 2023 - Bandung

May 2023 - Nov 2023

The Staff of Supervisory

Student regeneration event of Faculty of Informatics 2022 Telkom University Bandung organized by Informatics Student Association.

- Guided new students through orientation activities and academic induction processes.
- Organized and led group mentoring sessions to support new students' adaptation to university life.
- Provided academic and personal support to mentees, helping them navigate their first year.
- Monitored and evaluated the progress of mentees, offering feedback and assistance as needed.
- Created a welcoming and inclusive environment for all new students.

Perhimpunan Mahasiswa Lampung Telkom University - Bandung

Apr 2023 - Nov 2023

Staff of Welfare Department Member

A student association from Lampung at Telkom University.

- Coordinated events to improve member well-being, including health seminars and social gatherings.
- Collaborated with other departments for a holistic approach to member welfare.
- Implemented programs to foster community and belonging.

Badan Eksekutif Mahasiswa KEMA Telkom University - Bandung

Mar 2023 - Oct 2023

The Staff of Research and Technology

University-level student organization body at Telkom University.

- Conducted research on labs at Telkom University.
- Held lab talks with labs at Telkom University.
- Organized seminars on technology for the general public.
- Participated in a comparative study to the laboratory at Bandung State Polytechnic.

Mulang Tiyuh - Lampung

Dec 2022 - Feb 2023

The Staff of Sponsors Division

An event to promote and introduce Telkom University in high schools in Lampung province.

- Collaborated with various companies and startups to fund the Mulang Tiyuh event.
- Visited and conducted outreach to various senior high schools in Lampung province, held online tryouts, seminars, and competitions in the field of e-sports.

Interfest - Bandung

Sep 2022 - Dec 2022

The Staff of Sponsors Division

The music concert festival invited guest stars, and held a food bazaar at Telkom University.

- Was in charge of and managed tenant rental data at the interfest event.
- Worked with various large companies, one of which was Bank Mandiri, to make this event a success.

Skills, Achievements & Other Experience

- **Soft Skills:** Leadership, Problem-Solving, Critical Thinking, Adaptation, Time Management, Team Works, Public Speaking
- **Front-End Development** (2025): HTML5, CSS3, JavaScript, React.js, Vue.js, Bootstrap, Tailwind CSS
- **Back-End Development** (2025): Golang, PHP, Laravel, Node.js
- **Database & Cloud** (2025): MySQL, PostgreSQL, Oracle, Firebase
- **DevOps & Tools** (2025): Git, GitHub, Docker, CI/CD, Linux
- **Machine Learning & Data Science** (2025): Python, Scikit-Learn, TensorFlow, FastText, CNN-GRU
- **Interest:** Web Development, Front End Development, UI/UX Design, Data Science, Machine Learning
- **Language:** English, Indonesian
- **Achievements** (2024): Passed the Internship Selection and accepted at PT Brantas Abipraya (Persero)
- **Achievements** (2025): First author in the publication at the International Conference on Advancement in Data Science, E-Learning, and Information Systems (ICADEIS) 2025, which was indexed by Scopus, with a paper titled "Detection of Depression on Social Media X With FastText Feature Expansion Using Hybrid Deep Learning CNN-GRU."