MOCH. AVIN

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ABOUT ME

I am a passionate software engineer with a strong interest in creating impactful digital products through clean, user-centered design and efficient problem-solving. Skilled in frontend development using modern frameworks like Next.js and Tailwind CSS, and experienced in building scalable applications as part of cross-functional teams. Actively involved in programming competitions and technical projects, with a continuous drive to learn, adapt, and contribute to meaningful technological solutions..

Sepuluh Nopember Institute of Technology (ITS)   Surabaya, Indonesia
Bachelor of Engineering   Aug 2022 - Present
Major in Informatics
Cumulative GPA: 3.91/4.0
Relevant Coursework: Software Engineering, Algorithms, Machine Learning, Deep Learning

WORK EXPERIENCE

SPMB 2025 Jawa Timur – ITS   Surabaya, Indonesia
Frontend Developer   Jan 2025 – Present
- Maintained and updated the Next.js front-end for the 2025 East Java Student Admission Portal (SPMB) as part of a 5-person Front-End team.
- Worked with the Back-End team to integrate new APIs and align features with the 2025 admission policies.
- Focused on ensuring stability and maintainability of the existing codebase while supporting feature adjustments for a platform serving 100k+ users.

Intern Front-End Developer – DPTSI ITS   Surabaya, Indonesia
Frontend Developer Intern   Mar 2024 – Present
- Designed and implemented responsive layouts using Chakra UI
- Contributed to the migration of ITS's academic system in the *Mata Kuliah Umum* module and was responsible for the frontend migration of the Student Organization Management Information System
- Collaborated with teams using Bitbucket and Jira to manage code repositories and track changes

DLU Web Application– PT. Dharma Lautan Utama   Surabaya, Indonesia
Frontend Developer   Jan – June 2025
- Digitized the company's manual record-keeping process by building a web-based logging system, eliminating paper forms and improving data accessibility
- Created responsive, component-based interfaces with Laravel Blade and integrated them with a PostgreSQL backend to ensure fast, reliable performance across devices.
- Worked in a 4-person agile squad (1 lead, 2 backend engineers, and myself as the sole frontend dev).

SIAR HALAL - ITS   Surabaya, Indonesia
Frontend Developer   Aug 2024
- Continued and optimized the existing codebase using Next.js 13 and Tailwind CSS.
- Integrated 8thWall, Three.js for AR/VR game features

Mental Health Support Web Application   Surabaya, Indonesia
Frontend Developer   Aug 2024
- Designed and implemented responsive layouts using Shadcn UI
- Collaborated with backend team to integrate APIs

ACTIVITIES

Teaching Assistant of Fundamental Programming - ITS   Surabaya, Indonesia
Class Coordinator (Teaching Assistant)   Aug 2024 – Des 2024
- Coordinated and supervised other teaching assistants to ensure smooth execution of class activities and assignment reviews.
- Graded assignments, offered feedback, and facilitated code review sessions.
- Organized and led tutorial sessions, fostering a collaborative learning environment for students to master programming fundamentals.

NLC - SCHEMATICS ITS   Surabaya, Indonesia
Expert Staff   Mar 2024 – Des 2024
- Created and tested competition problems

* Collaborated with the team to ensure problem accuracy and quality

Algorithms and Programming Laboratory – ITS
Administrator
Surabaya, Indonesia
Jan 2024 – Present
* Coordinating algorithm and programming-related course materials
* Facilitating communication between instructors and students regarding course content and requirements

OMEDSCOPE - PKM
Team Lead and Software Engineer
Surabaya, Indonesia
Feb – Okt 2024
* Developed a Laravel-based web dashboard connected to Raspberry Pi and a classification model for eardrum (otitis media) using a limited dataset (200 images across 5 classes), achieving 85.42% accuracy
* Coordinated and led the team
* Secured funding and qualified for PIMNAS (Pekan Ilmiah Mahasiswa Nasional) and won bronze in the poster category at PIMNAS

Teaching Assistant of Data Structures - ITS
Teaching Assistant
Surabaya, Indonesia
Feb – June 2024
* Assisted students in understanding core data structure concepts.
* Provided guidance on assignments and projects, ensuring clarity in problem-solving approaches.
* Collaborated with lecturers to enhance teaching strategies and improve the learning experience.

Teaching Assistant of Fundamental Programming - ITS
Teaching Assistant
Surabaya, Indonesia
Aug – Dec 2023
* Guided students in fundamental programming and provided assignment support
* Graded assignments, offered feedback, and facilitated code review sessions.
* Collaborated on teaching strategies for a positive learning experience.

ACHIEVEMENTS

IDCamp 2024 Scholarship Awardee in Expert Android Developer Class
June 2025
IDCamp Dicoding

DBS Foundation Coding Camp 2024 Scholarship Awardee in Expert Front End Web Developer
Sep 2024
DBS Foundation

IDCamp 2023 Scholarship Awardee in Expert Machine Learning Development Class
February 2024
IDCamp Dicoding

Finalist at Jogja Information Technology Session (Joints) Programming Contest 2023
Mei 2023
Universitas Gadjah Mada

Finalist at Arkavidia National Programming Contest Senior 2022
February 2022
Institut Teknologi Bandung

Finalist at Schematics National Programming Contest Senior 2022
October 2022
Institut Teknologi Sepuluh Nopember Surabaya

Finalist at National Science Competition 2021 for Mathematics
November 2021
Indonesia Ministry of Education

ADDITIONAL

Technical Skills: React.js, Tailwind CSS, git, mySQL, PostgreSQL, Nextjs, Firebase, laravel.
Programming Languages: TypeScript, C, C++, Javascript, PHP, Python
Certifications & Training: Online Course in Frontend, Android, and Machine Learning (Dicoding Indonesia)

CONTACT

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LinkedIn : https://www.linkedin.com/in/moch-avin/