DAVID GARCIA SARAGIH

FULL STACK WEB & SYSTEMS ENGINEER

Jakarta, Indonesia · 0877-7680-3957 · davidgarciasaragih7@gmail.com · linkedin.com/in/davidgrcias

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SUMMARY

Full-Stack Web & Systems Engineer with experience delivering end-to-end platforms for events, transport operators, and small businesses. Skilled across backend, frontend, and database design using technologies such as Laravel, React, TypeScript, and PostgreSQL, often combined with payment and operational integrations. Recent work includes an official festival website with integrated ticketing and admin tools, as well as an internal operations platform that digitises daily workflows and reporting for a transport co-operative. Comfortable taking ownership from requirements and architecture through implementation, deployment, and handover to non-technical teams, with a focus on reliability, clarity, and maintainability.

EXPERIENCE

Full Stack Developer, Komilet - JakLingko Angkot Operator   **Jul 2025 - Present**
- Built and deployed a full-stack TypeScript web platform for Koperasi Mikrolet Jakarta Raya (Komilet), a JakLingko angkot operator, digitising end-to-end internal operations for drivers, vehicle owners, admin staff, and management in a single role-based system.
- Designed and implemented core modules for driver and route/ritase management, payroll, fines, attendance, TransJakarta verification, financial tracking, and analytics dashboards, using a PostgreSQL data layer, background jobs, and REST APIs.
- Replaced fragmented paper-based workflows with structured, auditable digital processes, reducing manual data entry and errors while enabling faster approvals, clearer reporting, and more data-driven operational decisions.

Coordinator of Web Division, UMN Festival 2025   **Feb 2025 - Present**
- Led end-to-end development of UMN Festival's official website using Laravel, React, and Midtrans, delivering a fully dynamic platform for event content, ticketing, and committee access.
- Built an integrated digital ticketing system for UNIFY 2025, enabling online payments, automated QR-based e-tickets, and seamless on-site scanning that replaced manual verification workflows.
- Designed an admin dashboard and referral system for non-technical staff, improving operational efficiency, reducing manual errors, and modernizing the entire event management process.

Digital Strategist & Web Developer, Rental Mobil City Park   **Jun 2024 - Present**
- Designed and developed the web interface for a local car rental business to improve credibility and customer accessibility.
- Supported the business's online presence by optimizing map visibility and creating visual assets for promotional use.

IT Content Creator, David G Tech - YouTube & TikTok   **Mar 2021 - Sep 2025**
- Created educational content on YouTube & TikTok to simplify web development and programming concepts for beginners and enthusiasts.
- Covered topics such as frontend and backend development, project breakdowns, and practical use of tools like HTML, CSS, JavaScript, PHP, and Git.

Frontend Developer, UMN VJD 2024   **Jun 2024 - Oct 2024**
- Contributed as a frontend developer for the event website, implementing and adjusting assigned UI components using TypeScript based on committee requirements.

Frontend Developer, PPIF UMN 2024   **Apr 2024 - Aug 2024**
- Worked as a frontend developer on the PPIF UMN 2024 website, helping build home pages using React and Tailwind CSS.

Backend Developer, UMN Tech Festival 2024   **Sep 2023 - Mar 2024**
- Served as a backend developer for the UMN Tech Festival 2024 website, assisting with implementation and maintenance of features built with Laravel.

Web Developer Intern, DAAI TV   **Mar 2022 - May 2022**
- Developed a PHP-based web application for DAAI TV that enabled users to easily generate customized digital Eid al-Fitr greeting cards from a predefined template.

EDUCATION

Bachelor of Computer Science - Universitas Multimedia Nusantara   **Aug 2023 - Present**
GPA: 3.81

Software Engineering - SMKS Cinta Kasih Tzu Chi   **Jul 2020 - Jul 2023**
Grade: 89.8

PROJECTS

Ark Care Ministry Website   **Nov 2024 - Dec 2024**
Full Stack Developer
- Built a full-stack content management platform for a nonprofit organization, enabling dynamic updates for activities, programs, and media through an intuitive admin dashboard.

Bali Tourism Website   **Apr 2024 - May 2024**
Group Final Project for Introduction to Technology
- Developed an interactive React-based website about Bali's tourism and culture for a university exhibition themed "Nusantara," earning 3rd place recognition.

Aplikasi Website Absen Sekolah   **Aug 2021 - Oct 2021**
FIKSI SMA 2021 Competition
- Developed a responsive school attendance system using PHP and MySQL for the FIKSI SMA 2021 competition, featuring camera-based attendance input, dynamic data visualization, and interactive dashboards with embedded maps.

SKILLS

- **Languages:** English, Indonesia.
- **Technical Skills**: HTML, CSS, Tailwind CSS, JavaScript, TypeScript, React.js, PHP, Laravel, Node.js, PostgreSQL, Prisma ORM, MySQL, REST API, GitHub, Firebase, cPanel, Python, Kotlin, Java, SEO Optimization, Prompt Engineering, UI/UX Implementation.
- **Soft Skills**: Problem Solving, Critical Thinking, Fast Learning, Adaptability, Creativity, Communication, Initiative, Teamwork, and Resilience.

ADDITIONAL INFORMATION

- **Certifications:** Python, SQL, PHP, React, Web Development, Git, HTML, CSS, JavaScript
- **Portfolio & Code**: davidgrcias.github.io · github.com/davidgrcias