MUHAMAD CHAIRIL AKMAL

Frontend Engineer (Vue.js · Nuxt.js · JavaScript)

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PROFESSIONAL SUMMARY

Frontend Engineer with 5+ years building and maintaining production-scale enterprise web applications across Vue.js/Nuxt.js and React/Next.js ecosystems. At PT Arif Konversi Surya Inovasi Indonesia (AKSII), maintained and shipped production Nuxt.js and Vuex features for a facility management workflow platform alongside EdTech and online tryout web applications. At PT Telkom Indonesia, delivered an HR evaluation frontend used by ~120 supervisors across 12 departments (handling ~1,500 employee records and multi-step dynamic forms) and raised unit test coverage from 0% to ~90%. Experienced in reusable UI components, RESTful API integration, SSR/CSR performance optimization, code reviews, and cross-functional collaboration with UI/UX Designers, Backend Developers, and QA teams in Agile environments.

PROFESSIONAL EXPERIENCE

PT Arif Konversi Surya Inovasi Indonesia (AKSII)

Frontend Maintainer / Developer (Project-Based) · Bandung · Hybrid · Dec 2021 – Present

- **Telkom Test House:** One of two frontend maintainers on a 5-person team for a facility management workflow platform built with Nuxt.js, Vuex, and Tailwind CSS. Developed reusable UI components, layouts, and routing flows, managed centralized state with Vuex, integrated RESTful APIs and WebSocket real-time notifications, reviewed 3–4 pull requests per day, and owned production deployments.
- **Kawan Paham Les Privat & Try Out:** Built student-facing pages, data tables, and teacher content-management workflows for an EdTech private tutoring and online tryout platform (React.js, Laravel).
- **Sinar Prestasi Tryout Platform (2026):** Built the React frontend for a CPNS SKD tryout platform — CSV/Excel question import, exam security (JWT authentication and payload encryption), cheating monitoring (tab-switch and focus-loss detection), and per-category result analytics (TWK/TIU/TKP).
- **Telkom Innovation Center:** Built a virtual-tour site with a panoramic viewer and lazy-loaded assets to keep media-heavy pages responsive, plus WebSocket usage logging for facility interaction tracking.

PT Telkom Indonesia — Digital Business Directorate

Frontend Developer (Contract) · Bandung · On-site · Feb 2022 – Mar 2025

- **TKP (Digital Touch Point – Supporting Workforce system):** Built the React frontend end-to-end (including React Context state management) for an enterprise HR evaluation system used by ~120 supervisors across 12 departments — admission flows, structured data tables, and evaluation workflows for ~1,500 employee records, multi-step dynamic forms, result generation, and automated PDF reporting.
- Raised TKP unit test coverage from 0% to ~90% with Jest and React Testing Library, exceeding the 80% production threshold across business logic and UI components.
- **Digistar Internship Telkom (Oct 2023 – Mar 2025):** Shipped UI improvements and features on Telkom's public internship platform over 18 months (~36 sprints) using React, Next.js, and Redux, extending the existing reusable component design system rather than replacing it.
- Kept a live enterprise system healthy day-to-day: production debugging, bug fixes, UI/UX improvements, and deployment coordination — including 1–3 hotfixes per day during peak periods — with minimal user disruption.
- Collaborated daily with product managers, UI/UX designers, backend engineers, and QA teams in an Agile/Scrum environment to ship production UI.

EARLY / VOLUNTEER EXPERIENCE

Universitas Komputer Indonesia (UNIKOM) — Research & Volunteer

Student Developer · Bandung · Aug 2019 – Nov 2021

- **AADS (Down Syndrome Child Assessment Tool):** Contributed UI/UX and frontend development for a web-based assessment tool for POTADS JABAR, supporting parents of children with Down Syndrome. Registered as copyright holder (2020).
- **GoKarang:** Built the frontend for a coral-reef conservation and online donation platform for the West Java Marine and Fisheries Agency; helped present it to local government representatives. Registered intellectual property (2021).

TECHNICAL SKILLS

Frontend: Vue.js, Nuxt.js, JavaScript, HTML5, CSS3, React, Next.js

State Management: Vuex, React Context, Redux

Backend & API: Laravel, PHP, RESTful API, MySQL

Styling & UI: Tailwind CSS, Bootstrap, Responsive Web Design

Testing: Jest, React Testing Library

Tools & Practices: Git, GitLab, GitHub, Postman, Axios, Figma, Vite, Webpack, SSR/CSR, Agile/Scrum, Code Review, Debugging, CI/CD, Clean Code

MENTORING & KNOWLEDGE SHARING

Frontend & Web Development Instructor — Taught HTML, CSS, JavaScript, and Laravel to 5 cohorts (~25 students total) from September 2023 to October 2025 at PT AKSII — high school students, vocational students, adult learners, and career changers.

UX Design Thinking Facilitator — Led internal knowledge-sharing sessions at PT Telkom Indonesia, turning UX and Design Thinking workshop insights into practical guidance for the development team.

EDUCATION

Universitas Komputer Indonesia (UNIKOM) — 2018 – 2021
Diploma III, Management Information Systems · GPA: 3.88 / 4.00

AWARDS & RECOGNITION

- **1st Place** — National Scientific Paper Competition, Universitas Sriwijaya (2020) — Research on the AADS assessment system for children with Down Syndrome
- **Registered Intellectual Property** — AADS Application (2020) — Web-based assessment tool, POTADS JABAR
- **Registered Intellectual Property** — GoKarang Platform (2021) — Coral reef conservation and donation platform, West Java government collaboration