Marzuki, S.Kom.

Fullstack Developer

Pekanbaru, Riau, Indonesia | +62 822-8606-2083 | marzukiberg@gmail.com
LinkedIn: linkedin.com/in/marzukiberg | Portfolio: ukay.dev | GitHub: github.com/marzukiberg

PROFESSIONAL SUMMARY

Fullstack Developer with 4+ years of experience building end-to-end web applications: React/Next.js/TypeScript frontends and PHP/Laravel and Node.js backends with MySQL/MongoDB databases. Built the Cashbook accounting app from scratch, developed the already-running Electronic Medical Record (EMR) module, and continued development of the AssistMe booking platform at Assist.id, used by hundreds of healthcare facilities. Built and operate independent SaaS products (dokumin.web.id, pdfmu.web.id, agent-loker.web.id) from backend to interface.

TECHNICAL SKILLS

Backend: PHP, Laravel, Node.js, RESTful API, WebSocket

Database: MySQL, MongoDB, SQLite/LibSQL, Firebase

Frontend: React.js (18/19), Next.js (App/Pages Router), Astro, TypeScript, JavaScript (ES6+), Inertia.js, HTML5, CSS3/Sass, Tailwind CSS (v3/v4), Shadcn UI, Radix UI, GSAP, Framer Motion, Fabric.js (Canvas)

State & Data Fetching: TanStack React Query, Zustand, Axios, Formik, Yup

Build Tools & Testing: Webpack 5 (Config Customization & HMR Optimization), Vite, Babel, Playwright, Web Workers

Workflow & Automation: Git, GitHub Actions CI/CD, Docker, Headless Browser Automation, Web Scraping

WORK EXPERIENCE

Front-End Developer

Assist.id | Pekanbaru / Remote | 2022 – Present (4+ Years)

- **Accounting App (Cashbook) — Built from Scratch:** Designed and built the front-end of the **Cashbook** app (clinic accounting system, cash bookkeeping, and comprehensive financial reports) from the ground up to production.
- **EMR Module Development:** Continued development of the interface of the already-running Electronic Medical Record (EMR) module, improving visual aesthetics, doctor/medical staff workflow comfort, and sub-second interaction speed for hundreds of clinics across Indonesia.
- **Booking Platform (AssistMe):** Continued front-end development of **AssistMe** (online doctor appointment booking platform).
- **Webpack Build Pipeline Optimization:** Revamped Webpack bundling configuration and dependency loader pipeline, cutting local Hot Module Replacement (HMR) reload time by over 40% and speeding up the engineering team's release cycle efficiency.
- **100+ Production Features Shipped:** Shipped 100+ production-scale features for clinic operations, including electronic prescriptions (e-prescription), real-time doctor schedules, ICD-10 diagnosis code search, cashier billing, and BPJS integration bridging.
- **Centralized Design System & Components:** Built and maintained a centralized React component library (40+ reusable components), keeping UI consistent across the team and accelerating new feature development by up to 30%.
- **Complex State & Data Table Optimization:** Applied client-side caching and optimistic mutation strategies with TanStack Query and Zustand on medical record forms and high-volume patient tables, eliminating redundant RESTful API requests.

Fullstack Developer (Contract / Project-Based)

Dumai City Government (Simakin Idaman) | Dumai / Remote | June 2024 – December 2024

- **Government Performance Accountability System:** Built the *Simakin Idaman* full-stack web app (simakinidaman.dumaikota.go.id), a performance management and SAKIP evaluation platform for government officials.
- **Laravel Backend & React.js Frontend:** Developed the Laravel backend (RESTful API routing, assessment data aggregation, automatic score calculator) and the React.js interface via Inertia.js: dynamic assessment dashboards, agency hierarchy charts, and tiered evaluation flows with Tailwind CSS.
- **Complex Reporting & Visualization:** Integrated interactive reporting tables and performance chart visualizations using TanStack Table, D3, and Chart.js.

Solo Front-End Developer (Freelance)

AI Studio 8 (studio8.ai) | Remote | 2024

- **Independent AI Photo Platform Development:** Independently designed and built the interface architecture of an AI-based photo processing web app with background removal, face restoration, object eraser, and formal passport photo generator features.
- **Interactive Canvas Editor:** Developed an interactive canvas manipulation engine using Fabric.js supporting multi-layer, asset drag-and-drop, and responsive cropping grids.
- **Transaction & Account Credit System:** Implemented account credit validation, instant edit result previews, and upload progress indicators using TanStack Query and React Dropzone.

FEATURED PROJECTS

Jaya Bersama Rentcar (jbrrentcar.com) — Developer
2026 – Present

- Built a car rental website for PT. Diki Transindo Jaya Bersama (Pekanbaru): fleet catalog spanning city cars, MPVs, and minibuses with photos and rental prices, vehicle detail pages, WhatsApp booking, and an admin panel for managing the landing page, pages, and incoming messages (PHP, MySQL/TiDB, JavaScript).

Al-Azru (al-azru.ukay.dev) — Developer
2026 – Present

- Built the multiplayer educational game "Petualangan Azru" for Al Azhar 54 Pekanbaru school: students shop for stationery with coins, calculate change, and answer math quizzes — classroom TV as host and student devices as players, real-time with Node.js and Socket.IO.

Arcahaya (arcahaya-web.vercel.app) — Developer
2026

- Built a 3D & Augmented Reality learning media on the properties of light for elementary students: virtual experiments, AR scanner, AR cards, theory book, and science quizzes (React, TypeScript, Vite).

Dokumin (dokumin.web.id) — Creator & Developer
2025 – Present

- Built a high-speed web downloader and document processor (Astro, React 19, Tailwind CSS v4, LibSQL/SQLite) with PDF manipulation, OCR text extraction, and corrupt file repair.
- Implemented the backend architecture: automatic QRIS payment gateway, transaction balance management, and real-time webhook notifications with sub-minute document delivery.

Agent-Loker (agent-loker.web.id) — Creator & Developer
2025 – Present

- Built an autonomous job aggregator engine (crawling, filtering, deduplication, <30-day freshness validation) backed by SQLite, with scheduled runs and lead extraction pipelines.
- Developed the *agent-loker.web.id* web portal (Astro, Playwright) plus headless browser automation bots for autoposting and data collection on social media.

PDFmu (pdfmu.web.id) — Creator & Developer
2024 – Present

- Developed an all-in-one PDF utility platform with 10+ features (compression, OCR text extraction, document merge, corrupt PDF repair, watermark) using Next.js, PDF-lib, and Tesseract.js.
- Added AI CV review and direct in-browser processing with Web Workers, keeping user documents private without server uploads.

EDUCATION & CERTIFICATIONS

Bachelor of Computer Science (S.Kom), Information Systems
Universitas Islam Negeri Sultan Syarif Kasim Riau (UIN Suska Riau) | 2017 – 2022

Certifications: Front-End Web Developer Expert (Dicoding Academy), Front-End Web Fundamentals (Dicoding Academy), React Native Mobile Apps Development (SanberCode)
Languages: Indonesian (Native), English (Professional Working Proficiency)