Vega Setiawan

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About Me

Highly motivated Information Systems student at UPN "Veteran" Jakarta with hands-on experience in full-stack web development. Proficient in building responsive interfaces with React, Tailwind CSS, and TypeScript, and developing backend services using Node.js and Express.js. Experienced in system analysis, database modeling (ERD, UML, flowcharts), and delivering project outcomes through Project-Based Learning (PBL), including web applications, reports, and pitch decks. Passionate about translating business needs into scalable digital products with clean architecture and practical user-focused design.

Education

Universitas Pembangunan Nasional Veteran Jakarta Aug 2023 - Present

Bachelor of Information System in Computer Science (*GPA: 3.87 / 4.00*) *Jakarta Selatan, Indonesia*

- **Relevant Coursework:** Data Structures and Algorithms (C++), Prob & Stat in CS (Python), Intro to CS II (C++), Mathematic Discrete, Object-Oriented-Programming (Java), Web Programming (PHP), ERP System, Architecture Enterprise, Information Systems Analysis and Design, Computational Thinking, Supply Chain Management, Technopreneurship, Finance Technology, CRM, Big Data, Business Process Management, Decision Support System
- Most submissions were conducted through a Project-Based Learning (PBL) approach, involving the creation of academic papers/journals, reports, and pitch decks. For technical projects, deliverables often included real-world implementations such as UI/UX designs and web-based applications.

Experience

LGN Corporation (Lesmana Guna Laksana) Aug 2025 – Jan 2026

Frontend Developer Intern *Jakarta, Indonesia (Hybrid)*

- Optimized the Victie platform frontend by implementing smooth page transitions with Next View Transition and Framer Motion, improving overall user experience.
- Conducted technical SEO and performance optimization using Unlighthouse; improved Core Web Vitals through dynamic metadata, sitemap.xml, robots.txt, infinite scroll, and lazy loading.
- Improved mobile responsiveness across core components, including Header, Footer, and GenreSelectionDialog, to deliver a more consistent cross-device experience.
- Contributed to ERP implementation by customizing Accounting and HR modules in ERPNext using the Frappe Framework.
- Built Python middleware to automate real-time finance journal posting from DOKU transactions into ERPNext, and developed a SIJASAP sandbox as a proof of concept before production rollout.
- Supported DevOps and operations by designing CI/CD workflows across Development, Staging, and Production; integrated Sentry monitoring, Redis caching, and an AI-powered bug tracker (Victia) connected to GitHub Issues and Discord support channels.
- Tech Stack: Next.js, TypeScript, Node.js, PostgreSQL, ERPNext, Frappe, ERP Software, GSAP.

Internship Report

KAP Hendrik dan Rekan Jul 2022 – Aug 2023

Accounting Services Staff *Jakarta Selatan, Indonesia*

- Document Management and Organization: Successfully archived and organized client documents meticulously, ensuring easy accessibility and compliance.
- Financial Report Preparation: Prepared accurate and timely monthly financial reports for clients.
- Cash Flow Analysis: Evaluated client's cash inflows and outflows to identify potential anomalies and areas for improvement.
- On-site Expense Evaluation: Conducted on-site visits to client offices for expense evaluation and verification.

Upwork Jan 2022 – Jun 2022
Freelance 3D Artist *Jakarta Utara, Indonesia*

- Made 3D Logo For Client
- Made An Environment for Building Game
- Made Model of Product

PT Indodaya Cipta Lestari Sep 2021 – Dec 2021
Quality Control Officer *Jakarta Barat, Indonesia*

- Quality Control and Inspection: Performed comprehensive inspections of ICA brand UPS and Stabilizer units from step 1 to step 2, ensuring adherence to company specifications.
- Achieved Production Targets: Consistently met daily inspection targets of 200 units.
- Accurate Reporting: Compiled and submitted daily reports to superiors regarding inspection results.
- Team and Individual Collaboration: Capable of working effectively both in a team and independently, as directed by supervisors.
- Deadline Management: Demonstrated strong ability to complete tasks and meet deadlines consistently.

Projects

UPN Insight | *Javascript, Tailwind.css, Acertenity.ui, Reactjs, nextjs, Supabase (postgreSQL)*

- Conducted website planning and analysis by identifying requirements and transforming them into ERD, flowcharts, and UML diagrams.
- Applied the Waterfall methodology in project management and delivered a formal presentation of the project to the class.

Link Github | Link Journal | Link Report

KampusPeduliUPNVJ | *HTML, TailwindCSS, PHP, MySQL*

- Designed a website by analyzing requirements and translating them into ERD and flowchart diagrams.
- Developed the website frontend using HTML, Tailwind CSS, and PHP.
- Applied the Waterfall methodology in project management and presented the project in front of the class.

Link Github | Link Desain

Stuper (Student Helper) | *TypeScript, React 19, Express.js, Supabase, PostgreSQL, Gemini API, Docker*

- Developed an AI-powered academic platform using React, TypeScript, Express, and Supabase with RAG-based learning features.
- Implemented LLM integrations with Gemini and DeepSeek for quiz generation, flashcards, summaries, and conversational learning.
- Built secure REST APIs with Express, Zod validation, JWT-based authentication, rate limiting, and OpenAPI/Swagger documentation.
- Designed PostgreSQL schema with Row Level Security, Supabase Storage policies, and pgvector indexing for semantic retrieval.
- Improved software quality through unit, integration, and E2E testing using Vitest, Supertest, Testing Library, and Playwright.
- Containerized backend with Docker and prepared production deployment on Railway and Vercel.

Link Github

Certifications

Dicoding

Belajar Membuat Aplikasi Web Dengan React | *HTML, Tailwind.css, React.js* Jan 2025 - Jan 2028
Belajar Membuat Front-End Web Untuk Pemula | *HTML, css, Javascript* Oct 2024 - Oct 2027
Belajar Membuat Aplikasi Back-End Untuk Pemula | *Express.js, Javascript, Postman API* Apr 2024 - Apr 2027
Cloud Practitioner Essential (Belajar Dasar AWS Cloud) | *AWS* Mar 2024 - Mar 2027
Belajar Mechine Learning Untuk Pemula | *Python, Anaconda, VSCode* Jan 2024 - Jan 2027

Freecodecamp

Front End Development Libraries | *HTML, CSS, Javascript* Jan 2025 - Present

Javascript Algorithms and Data Structures | *HTML, CSS, Javascript* Jul 2024 - Present
Back End Development and APIs | *Express.js, hapi, Javascript, REST APIs* May 2024 - Present
Responsive Web Design | *HTML, CSS* Jan 2024 - Present
Data Visualization | *HTML, CSS, Javascript* Jan 2025 - Present

Bisa.ai

Enterprise Resource Planning | *Odoo ERP, SCM, CRM, ERP* May 2025 - Present
Pitch Deck | *Pitch Development* Nov 2025 - Present
Implementasi Business Model Canvas (BMC) Pada Bisnis F&B | *Business Model Canvas* Oct 2025 - Present
Analisis SWOT Dalam Perencanaan Bisnis Bagi Pemula | *SWOT Analysis* Sep 2024 - Present
Manajemen Start-Up | *Startup Maagement* Sep 2024 - Present
Sertifikat Legalitas Startup Digital | *Legality of Startup Management* Sep 2024 - Present

Technical Skills

Languages: TypeScript, JavaScript, SQL, Python, PHP, C, C++
Frontend: React 19, Vite 6, React Router 7, Tailwind CSS 4, Zustand, Tiptap, XYFlow, React Markdown
Backend & API: Node.js, Express.js, Zod, Multer, Helmet, CORS, Express Rate Limit, OpenAPI 3.0, Swagger
Database & AI: Supabase (PostgreSQL, Auth, Storage, RLS), pgvector, pg_trgm, Gemini API, DeepSeek API, RAG Pipeline
Testing & DevOps: Vitest, Testing Library, Supertest, Playwright, Docker, Railway, Vercel, Git, GitHub