

VICTOR ADOGHE

FULL-STACK SOFTWARE ENGINEER | FRONTEND • BACKEND • MOBILE • AI

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PROFESSIONAL SUMMARY

Software Engineer with 5+ years of hands-on development experience across web applications, frontend systems, backend services, APIs, mobile interfaces, and AI-oriented applications. Strong in JavaScript, TypeScript, React, Next.js, Node.js, Python, Supabase, REST APIs, and modern development tooling. Experienced in building responsive, accessible, database-backed products, integrating third-party services and payments, deploying applications to the cloud, and translating product requirements into maintainable software. Particularly interested in AI applications, agentic systems, developer tools, persistent context and memory, and cloud-connected products.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Java, HTML5, CSS3, SQL

Frontend: React, Next.js, Tailwind CSS, Vite, responsive design, component architecture, state management, accessibility, UI/UX implementation, performance optimization

Backend: Node.js, Express.js, REST APIs, API integration, authentication/authorization, webhooks, server-side development, backend architecture

Databases & Services: Supabase, PostgreSQL, MySQL, SQLite, database design, authentication, Row-Level Security, persistent storage

Mobile: React Native, Expo, cross-platform mobile UI, mobile API integration, responsive mobile development

AI & Agentic: AI-powered applications, LLM API integration, AI agents, agentic workflows, persistent context & memory, Model Context Protocol (MCP), developer tools

Payments & Integrations: Stripe, Paystack, REST APIs, third-party integrations, OAuth, webhooks

Tools & DevOps: Git, GitHub, VS Code, Chrome DevTools, pnpm, npm, Postman, Figma, Vercel, Netlify, Docker, CI/CD fundamentals

Data & Analytics: Excel, Power BI, DAX, data visualization, data analysis

PROFESSIONAL EXPERIENCE

Software / Frontend Developer | Personal, Freelance & Team Projects | 2023 – Present

- Designed and developed responsive web applications using React, JavaScript, TypeScript, HTML, CSS, and modern frontend engineering practices.
- Built reusable UI components and application interfaces with emphasis on maintainability, accessibility, responsiveness, and user experience.
- Integrated backend services, databases, authentication systems, payment platforms, and third-party APIs into production-oriented applications.
- Developed database-backed applications with Supabase, including authentication, persistent storage, and secure data access.
- Implemented responsive interfaces optimized for desktop, tablet, and mobile devices.
- Used Git and GitHub for source control, collaboration, version management, and development workflows.
- Applied browser debugging, performance analysis, and systematic troubleshooting to identify and resolve application issues.
- Worked with modern tooling including Vite, pnpm, npm, VS Code, Chrome DevTools, Vercel, and Netlify.
- Contributed to GoodMorningToAll.com by implementing frontend components, responsive layouts, and interface improvements.
- Contributed to ClearVisa by improving accessibility and usability through semantic HTML, ARIA attributes, visual hierarchy, and responsive design.

SELECTED PROJECTS

CodeNest — Offline Python Learning Platform | Web Application | 2026

- Built an interactive Python learning platform designed to run entirely offline, with 19 lessons, 21 graded exercises, quizzes, a browser-based playground, and a Python reference.
- Integrated a real Python interpreter compiled to WebAssembly and executed in a background worker, enabling users to run Python code directly in the browser without a server connection.
- Designed a structured five-module curriculum covering Python foundations, control flow, data structures, functions and errors, files, classes, standard library concepts, and a capstone quiz application.
- Implemented automated exercise checking using real Python assertions, returning feedback when submitted code fails expected conditions.
- Focused on offline-first architecture, interactive learning UX, responsive interface design, and self-contained client-side execution.

DoneMate — Task Management Web Application | React | Supabase | 2025 – Present

- Developed a responsive task-management application for creating, editing, organizing, and managing daily tasks.
- Integrated Supabase authentication and persistent data storage for personalized user accounts and application data.
- Implemented reusable components, responsive layouts, state management, and usability-focused UI patterns.

TicTacToePro — Interactive Web Application | React | JavaScript | CSS | 2025

- Built an interactive Tic-Tac-Toe application with dynamic game states, win detection, user interaction, and responsive layouts.
- Applied component-based React development and JavaScript algorithms to deliver a complete browser-based game experience.

AI-Powered Persistent Memory System | TypeScript | Next.js | React | Node.js | Supabase | MCP | 2026

- Designed an AI-oriented system for providing persistent context and memory to agentic CLI applications.
- Explored cloud-based storage and retrieval architecture for preserving information across AI-agent sessions.
- Investigated Model Context Protocol (MCP) and API-based communication between AI development tools and external services.
- Designed a web interface concept for managing stored memories and contextual relationships.

Project Haven — Full-Stack Web Application | React | Supabase | Stripe | Project

- Developed a full-stack application integrating Supabase for backend functionality and persistent data.
- Integrated Stripe payment processing and designed responsive application workflows around authentication and user interaction.

TastyTable — Food Ordering Platform | React | JavaScript | APIs | Project

- Designed and developed a responsive food-ordering interface with product browsing, interactive components, and ordering workflows.
- Applied responsive design and user-focused UI patterns across desktop and mobile screen sizes.

EDUCATION

Bachelor of Science — Computer Science | University of Calabar, Nigeria | 2023 – Present

ADDITIONAL STRENGTHS

Software Engineering • Full-Stack Development • Frontend Architecture • API Integration • Backend Services • Mobile Development • AI Applications • Agentic Systems • Database Integration • Authentication • Payment Systems • Responsive Design • Debugging • Git/GitHub • Cloud Deployment • UI Implementation • SEO-Friendly Development