AMBOMO JOSEPH ELYSÉ

Backend & Full-Stack Software Engineer

TypeScript | React | Next.js | Node.js | React Native | Supabase | PostgreSQL
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PROFESSIONAL SUMMARY

Software engineer with hands-on experience across client platform delivery, an IT support internship, and independent product engineering. Builds full-stack web and mobile applications with TypeScript, React, Next.js, Node.js, React Native, Supabase, PostgreSQL, REST APIs, authentication, and AI-assisted features. Delivered a client bird-marketplace platform, a real-time collaborative AI architecture tool, and a campus mobile app. Currently pursuing a Master's in Cybersecurity.

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Python, C++, Java, SQL
Frontend & Mobile: React, Next.js, Vite, Tailwind CSS, React Router, React Native, Expo, NativeWind
Backend & APIs: Node.js, Express.js, REST APIs, Supabase Auth, Clerk, Trigger.dev, Resend, Postman
Data: PostgreSQL, Supabase, Prisma, Cloudinary, Vercel Blob
Quality & DevOps: Git, GitHub, Vercel, Netlify
AI: Google Gemini API, Vercel AI SDK, background AI agents, structured AI outputs
Networking & Security: TCP/IP, Linux, Kali Linux, security fundamentals

PROFESSIONAL EXPERIENCE

Full-Stack Developer - Client Project | Wings & Whimsy Birds (African Grey Parrot Platform) | 2025
React 19 | Vite | TypeScript | Tailwind CSS | Supabase | Resend | Vercel

- Built and deployed an avian marketplace and aviary inventory platform, including a categorized catalog, filtering and sorting, cart, multi-step checkout with React Hook Form and Zod validation, and live chat integration.
- Implemented a protected admin dashboard with Supabase Auth, inventory CRUD, image upload to Supabase Storage, and realtime sync; added serverless transactional order emails with Resend on Vercel.

IT Support Intern | Digital Flux (Startup) | 2025-2026
Client Support | Software Installation | IT Troubleshooting

- Provided technical support to clients as part of the IT support team.
- Assisted with software installation and configuration and IT troubleshooting.

SELECTED ENGINEERING PROJECTS

Archi Dev - AI System Architecture Platform | Live + GitHub
Next.js 16 | React 19 | TypeScript | PostgreSQL | Prisma | Clerk | Liveblocks | React Flow | Trigger.dev | Gemini

- Built a real-time collaborative system design workspace where a plain-English prompt to an AI agent (Gemini via Vercel AI SDK, run as Trigger.dev background jobs) generates nodes and edges directly on a shared canvas.
- Implemented Clerk authentication, project ownership and collaborator management, live cursors and presence, starter architecture templates, and Markdown technical-spec generation from the canvas graph.

U-Buzz - Campus Short-Video Social App | GitHub
React Native 0.81 | Expo 54 | TypeScript | Supabase | PostgreSQL | Cloudinary | NativeWind

- Built a campus-only mobile app for IUGET students with a vertical video feed, uploads, realtime comments, follows, an admin announcements channel protected by Row Level Security, and matricule validation with privacy masking.
- Reduced mobile-data use with Cloudinary 720p transcoding, tuned FlatList rendering, and added a chunked secure-storage adapter for JWT tokens exceeding Android's size limit.

Logistics Tracking Platform | Live + GitHub
React 19 | Vite | TypeScript | Tailwind CSS | Leaflet | Supabase | Express | Vercel

- Built and deployed a logistics tracking web application with interactive map views (Leaflet), client-side routing, and Supabase integration.

EDUCATION

B.Tech, Software Engineering | 2025-2026 | IUGET Bonamoussadi, Douala, Cameroon
HND, Software Engineering | 2023-2025 | IUGET Bonamoussadi, Douala, Cameroon

LANGUAGES

English - Fluent | French - Conversational