

EMMANUEL IMARHIAGBE

Alexandria, VA | (734) 431-8504 | emmanuel.o.imarhiagbe@gmail.com | www.linkedin.com/in/emmanuel-imarhiagbe
www.emmanuelimarhiagbe.com | <https://github.com/OsarOmarhiagbe>

Full-Stack Developer

Full-Stack Developer specializing in React, TypeScript, and modern frontend tooling, with experience building production apps using FastAPI, Postgres, and CI/CD workflows. Creator of **Aspensify**, a full-stack AI-powered budgeting app built with React Native, NativeWind, and Gluestack UI for the frontend, and Node.js with Supabase for the backend, integrated with Plaid API for secure bank connections. Experienced in RESTful APIs, Redux, and cloud technologies, with a proven track record of optimizing performance and delivering seamless financial insights. Passionate about building scalable software that drives real-world impact.

Skills

Languages & Frameworks: React/React Native, JavaScript/TypeScript, HTML/CSS, Tailwind, Python, [Next.js](https://nextjs.org/), TanStack Query, FastAPI.

Database & DevOps: PostgreSQL, Docker, GitLab, GitHub Actions, SQLAlchemy, Alembic.

Other: GraphQL, RESTful API, Zustand, Firebase, Supabase.

Work Experience

Novi Space, Arlington VA 

Nov 2025 - Present

Lead Full Stack Developer

- Spearheaded initial system design for a GIS web platform delivering Earth Observation data, defining architecture and scalable backend foundations capable of supporting 5x concurrent users.
- Architected a STAC-compliant geospatial data API using pgSTAC, PostGIS, and FastAPI enabling high-performance data queries that reduced average query response time by 60%, improving data accessibility.
- Built a scalable data layer using SQLAlchemy and Alembic, supporting multiple schema migrations across environments and enabling zero-downtime database updates.
- Established separate development, UAT, and production PostgreSQL environments, supporting end-to-end testing across 3 environments and reducing risk of production data issues during releases.
- Engineered modern, responsive UI systems using shadcn/ui and Tailwind CSS, building 10+ reusable components to accelerate feature development and ensure consistent user experience.

Freelance Software Developer, Austin TX

July 2025 - Nov 2025

Self-Employed - www.emmanuelimarhiagbe.com

- Delivering end-to-end web and mobile solutions for clients using modern technologies such as React, Next.js, React Native, Tailwind CSS, and Firebase/Supabase.
- Collaborated with clients to define requirements and translate ideas into scalable, user-friendly applications.
- Built responsive, accessible interfaces with a focus on clean design and performance.
- Applied agile practices, ensuring thorough clear communication and swift problem resolutions, resulting in 20% reduction in development for key features.

General Motors, Austin TX 

Feb 2022- Nov 2024

Data Engineer

- Spearheaded the DUCS refactoring initiative for the OnStar Account Table within the silver data layer, optimizing database architecture which enhanced scalability and improved overall system performance by 25%.
- Collaborated with cross-functional teams to design and implement a new data pipeline for LexisNexis extract operations, improving data processing efficiency by 15% and reducing errors by 10%.
- Migrated legacy SAS scripts to optimized Python code; this migration cut operational costs by \$3M annually and reduced processing time by 60%, which was a company first.

Personal Projects

Aspensify, Austin TX 

Jul 2025 - Nov 2025

AI Budget Tracking App for Singles and Couples - aspensify.com

- Built a responsive mobile application using React Native and TypeScript, integrating Supabase authentication and PostgreSQL-backed storage to support secure user account management and financial data persistence.
- Implemented efficient data fetching and caching strategies with TanStack Query, reducing loading-related bugs by 40% and improving overall app responsiveness.
- Managed scalable global state architecture using Zustand and Context API, enabling seamless data flow across multiple core features and improving maintainability.
- Developed a FastAPI-based backend leveraging NumPy and Pandas to power financial calculations, trend analysis, and forecasting, supporting accurate and data-driven budgeting insights.
- Integrated OpenAI models into secure API endpoints to deliver real-time financial insights and personalized recommendations, enhancing user engagement and decision-making.
- Designed modular backend services with secure, rate-limited Plaid integration, enabling real-time bank data synchronization while maintaining data security and API reliability.

Education & Certificates

Bachelor of Science In Information Systems (BS) | December 2021
The University of Texas, Arlington, TX

Meta Back-End Developer Professional Certificate | November 2024
Meta Front-End Developer Professional Certificate | November 2024

