

EMMANUEL IMARHIAGBE

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Full-Stack Developer

Full-Stack Developer with a comprehensive background in React Native, React.js, Angular, TypeScript, and Python. With prior experience in Angular, strategically leveraged diverse frameworks to develop mobile and web solutions. During 3 year tenure at General Motors, made an exceptional impact by optimizing critical systems, eliminating \$3M in annual SAS licensing costs and improving data processing performance by 50%. Meta-certified in Front-End and Back-End Development. As the founder of Foundry, developed a react native app integrating Firebase, and Expo technologies that attracted 100+ active TestFlight users. Leveraged expertise in GraphQL, Redux, and cloud technologies to create applications, dramatically reducing load times by 20% and implementing state management strategies that enhanced overall application performance by 38%. Open to working on new technologies and expanding skills across diverse programming languages and frameworks.

SKILLS

Languages & Frameworks:

React.js/React Native, Angular, JavaScript, HTML5/CSS, Tailwind CSS, TypeScript, Python, Java, GraphQL, Kotlin, Next.js

Database & DevOps:

PostgreSQL, AWS, Firebase, Supabase, MongoDB, Docker, Kubernetes, CI/CD, Git, GitHub Actions

Other:

RESTful API, JWT, Node Package Manager, Redux, Zustand, Jest, SEO, UI/UX design, Pytest, YUP, Mobile App Deployment (App Store/Play Store), Expo, XML, Node.js

WORK EXPERIENCE

Foundry, Austin TX

November 2023 - Present

Founder & Full-Stack Developer - [www.foundry-app.com](https://www.foundry-app.com)

- Forged a GraphQL API using NodeJS and TypeScript, leveraging AWS services for deployment, implementing asynchronous programming and state management techniques that streamlined data retrieval processes.
- Designed and developed a high-performance landing page using React, TypeScript, and Next.js, implementing responsive design, SEO optimization, and seamless deployment to Vercel with CI/CD integration.
- Deployed a scalable Django backend on AWS EC2, leveraging AWS cloud infrastructure and containerisation best practices.
- Drove Redux Toolkit migration, diminishing boilerplate code by 60% and activating selective rendering, strengthening application performance by 38%, ensuring a smoother user interface and faster interactions.
- Implemented CI/CD pipelines with GitHub Actions and EAS Workflows , accelerating mobile app deployment and achieving a 30% reduction in release cycle.
- Developed and maintained a Design System for Foundry's React Native application, improving consistency and reducing development time by 20%.
- Developed a comprehensive Jest testing suite in TypeScript for Firebase Cloud Functions, performing unit testing and functional testing; achieved 90% code coverage and minimized potential runtime errors validating function logic, input processing, and error handling mechanisms.

General Motors, Austin TX

February 2022 - November 2024

Front-End Software Developer

- 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.
- Engineered high-visualisation charting APIs dashboards using React.js and TypeScript to visualize automated weekly and monthly reports, enhancing data accessibility and decision-making for stakeholders.
- Spearheaded the end-to-end development of 3 full-stack web applications with RESTful APIs, utilizing React and TypeScript for the frontend and implementing CI/CD pipelines with GitHub Actions, resulting in a 20% improvement in load balancing and a 15% boost in system performance.
- Revamped 10+ internal web applications using React and JavaScript, decreasing page load times by 40% and improving operational efficiency for 5 engineering teams across the organization. This involved extensive debugging and ongoing maintenance to ensure optimal performance and stability.

Data Engineer

- Redesigned the PostgreSQL database schema using SQL, resolving over 15 critical upstream and downstream dependencies; efficiency boost of 30%.
- 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%.

PERSONAL PROJECTS

Dottie (Open Source Project)

April 2025 - Present

Fork Repo: <https://github.com/OsaroImarhiagbe/dottie>

- Developed a personalized learning feature for the open-source *Dottie* menstrual tracking app, enhancing user experience with tailored educational content.
- Integrated dynamic article rendering based on users’ assessment results using external content APIs.
- Built responsive, user-friendly UI components to display curated health resources within the app.
- Collaborated with the open-source community to ensure seamless feature integration and maintain app consistency.

Monevo

May 2025 - Present

AI-Powered Finance & Budget Tracker App for Singles and Couples

- Developed a cross-platform finance tracking app for singles and couples, with support for both mobile (React Native) and web (Next.js).
- Integrated AI models (Gemini) to deliver smart financial insights and goal-based recommendations.
- Developed custom logic for expense categorization, recurring bill detection, and savings optimization.
- Architected separate backend systems: **Next.js API routes** for web and a dedicated backend for mobile.
- Managed product design, front-end architecture , and multi-platform deployment.
- Managed state using Zustand combined with Context API for scalable and maintainable state logic.

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