




James Reyes

Full-Stack Product Engineer

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SUMMARY

As a Full-Stack Product Engineer, I've cut infrastructure costs by 90%, automated systems processing 100K+ webhooks, and built tools that reduced manual work by over 98%. I specialize in building intuitive, scalable software that solves real user problems, from backend architecture to frontend experience, always guided by what the end user needs.

My background spans HR, payroll, and timekeeping tech, with experience in modern stacks like TypeScript, Node.js, React, Next.js, and Supabase. I thrive at the intersection of technical precision and product empathy, where clean code meets real-world impact. I'm currently seeking roles where I can help design and ship thoughtful products in collaborative, growth-minded teams.

PROFESSIONAL EXPERIENCE

Cimplx HR, Inc.

Tier II Support Specialist & API Developer

09/2023 – present
Rock Hill, SC

- Architected enterprise-grade HR/payroll integration platform synchronizing employee data and events between Factorial HR and UKG Ready systems for many clients of various sizes.
- Designed event-driven architecture using Azure Storage Queues and Key Vault, successfully processing 100,000+ webhook events per month.
- Developed timekeeping tools including an ID-linked QR code generator, a comprehensive UKG Ready bulk document uploader with auto-mapping, and a timecard processor that reduced import time by over 98%.
- Implemented comprehensive TypeScript APIs with Express.js, SQL, and automated retry/error handling.
- Streamlined internal operations by contributing across backend and frontend stacks, improving delivery speed and system visibility.

Full-Stack Developer (Internship)

06/2023 – 09/2023
Rock Hill, SC

- Built a subscription management platform for the Abenity coupon system using Python, Flask, and ChargeBee.
- Integrated webhook-based licensing and dynamic user provisioning via custom access tiers.
- Developed frontend with vanilla JS, HTML, and CSS to support full subscription lifecycle (onboarding, limits, access).

SubTracked

12/2024 – present
Rock Hill, SC

Co-Founder & Lead Developer

- Designed and built a full-stack platform for automated collectible grading submissions and customer notifications, enabling businesses to track and manage submissions across multiple categories.
- Cut monthly infrastructure costs by 90% by migrating from Azure to Supabase and Railway, while simplifying CI/CD and environment management.
- Architected backend with Express and Supabase (PostgreSQL, auth, storage, edge functions).
- Enabled active submission tracking with custom serverless functions and personalized dashboards.
- Designed for scalability and future integrations with third-party vendors and marketplace features.

SKILLS

Languages & Frameworks

JavaScript, TypeScript, Python, Flask, Express.js

Frontend

HTML, CSS, React, Next.js, Vite, Tailwind, shadcn/ui

Tooling & DevOps

Git, GitHub, CI/CD pipelines, Postman, Sentry

Cloud & Infrastructure

Azure (Web Apps, DevOps, Storage Queue, Key Vault, SQL Server), Render, Railway, Heroku, Vercel

Backend

Express.js, Supabase, REST APIs, JWT, UKG Ready APIs (V1 + V2)

Soft

Communication, collaboration, openness to feedback, adaptability, curiosity, continuous learning, empathy, accountability

PROJECTS

The Reyes Vault

2025 – present

A digital vault for preserving family memories. Forever, searchable, and safe in the cloud.

Built a privacy-first digital vault for secure family memory preservation with enterprise-level security and scalability features.

- Developed full-stack application using Next.js 15, TypeScript, and Supabase with PostgreSQL for secure, scalable data management.
- Implemented role-based authentication system with admin-managed permissions and protected routes ensuring data privacy and controlled access.
- Designed responsive UI with shadcn/ui and Tailwind CSS, supporting all device types with modern, accessible user experience.
- Architected cloud-native storage solution using Supabase and Cloudflare R2 for disaster-resilient backup and fast global content delivery.

github.com/jamesleoreyes/the-reyes-vault 

Portfolio

2025 – present

Personal portfolio site showcasing my projects, experience, and backend-to-full stack journey.

Built a modern, responsive portfolio website demonstrating full-stack development skills and professional experience.

- Developed full-stack application using Next.js 15, React 19, and TypeScript with server-side rendering and static generation for optimal performance and SEO.
- Architected scalable component system using shadcn/ui, Tailwind CSS, and custom icon libraries with modular TypeScript interfaces for maintainability.
- Integrated comprehensive SEO optimization with structured data (JSON-LD), Open Graph meta tags, Twitter cards, and progressive web app capabilities.
- Deployed with modern DevOps practices using Vercel with analytics integration, automated builds, and performance monitoring for production-ready deployment.

jamesleoreyes.com 

CREATIVE EXPERIENCE

Music Production & Engineering

2018 – present

Recording, Mixing, & Mastering Engineer

Rock Hill, SC

Recorded, mixed, mastered, and produced original music released on major streaming platforms including Spotify, Apple Music, and Tidal. Developed strong technical workflows, creative discipline, and an iterative approach that continues to inform my work as an engineer.