




# 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 deep experience in modern stacks like TypeScript, 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

#### SubTracked

12/2024 – present

*Co-Founder & Lead Developer*

Rock Hill, SC

- Designed and built a full-stack platform for collectible grading submissions, enabling businesses to track and manage orders 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 real-time submission tracking with custom serverless functions and personalized dashboards.
- Designed for scalability and future integrations with third-party vendors and marketplace features.

#### Cimplx HR, Inc.

*Full-Stack Developer / Integration Engineer*

09/2023 – present

Rock Hill, SC

- Architected and developed enterprise-grade HR/payroll integration platform synchronizing employee data between Factorial HR and UKG Ready systems for multiple clients.
- Built event-driven microservices architecture using Azure Storage Queues and Key Vault, successfully processing 100,000+ webhook events.
- Developed timekeeping tools including an ID-linked QR code generator, a document uploader with auto-mapping, and a timecard processor that reduced import time by over 98%.
- Implemented comprehensive TypeScript APIs with Express.js, SQL Server integration, and automated retry/error handling reducing manual intervention by 95%.
- 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).

### SKILLS

#### Languages & Frameworks

JavaScript, TypeScript, Python  
Next.js, Flask

#### Tooling & DevOps

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

#### Backend

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

#### Frontend

HTML, CSS, React, Vite, Tailwind CSS,  
shadcn/ui

#### Cloud & Infrastructure

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

#### Soft

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

## PROJECTS

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### 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](https://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 with enterprise-grade features and performance optimization.

- Developed full-stack application using Next.js 15, React 19, and TypeScript with server-side rendering and static generation for optimal performance and SEO.
- Implemented advanced UI/UX features including custom animated word rotation component, adaptive theming system (light/dark mode), and fully responsive design across all device types.
- 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 including service worker and app manifest.
- Deployed with modern DevOps practices using Vercel with analytics integration, automated builds, and performance monitoring for production-ready deployment.

[jamesleoreyes.com](https://jamesleoreyes.com) 

## CREATIVE EXPERIENCE

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### 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.