

Jackson Hamm

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Work Experience

Medical Informatics Engineering

Remote

Configuration Analyst

Jan 2025 - Present

- **Orchestrate the full-lifecycle deployment** of enterprise health systems for a portfolio of 4 concurrent clients, managing full-system configurations and portal architectures within an Agile framework.
- **Engineer and execute advanced SQL database scripts** to manage system tasking, automate reporting pipelines, and optimize health surveillance tracking models across multiple tables.
- **Develop dynamic clinical encounter templates and workflows** using structured XML and flowsheet questionnaire logic, streamlining patient and provider clinical documentation steps.
- **Promoted from Product Specialist** after managing a backlog of ~20 complex support tickets weekly via Redmine and leading bi-weekly strategic optimization consultations for 4 key clients.

Origami Risk

Chicago, IL

Business Systems Analyst - Core Policy

June 2023 - December 2024

- **Led end-to-end implementation** of policy administration systems for 5 diverse clients, collaborating with cross-functional teams to ensure seamless integration and alignment with client needs.
- **Configured and customized the Origami Risk platform** to meet specific client requirements, enhancing user experience and operational efficiency, documenting tasks and configuration changes to ensure clarity and support for future updates.
- **Applied Agile methodology** to manage and complete hundreds of tasks, consistently achieving sprint goals and delivering high-quality features with precision and timeliness.
- **Created and refined mail merge policy forms for Lancashire's Property and Energy Casualty lines of business**, including state declaration pages for all 50 states, policy binders, and quote forms. This streamlined document generation, improved accuracy, and enhanced compliance and client communication.
- **Developed over 80 custom reports and dashboards** with complex SQL queries across multiple tables using SSMS, delivering actionable insights for data-driven decision-making.

Independent Apps

Hammr Fitness, *Lead Developer & Founder*

June 2024 - Present

- **Architected, launched, and scaled** a comprehensive health platform on the iOS App Store using React Native, Expo, and Firebase, maintaining a 4.8-star rating across rapid weekly deployment cycles.
- **Engineered an adaptive readiness, stress, and recovery scoring system** by building native integrations with Apple HealthKit, live WatchOS synchronization, and Oura Ring OAuth APIs to compute real-time vital metrics.
- **Integrated the Google Gemini API** using advanced prompt engineering to orchestrate photo-based nutrition logging, natural-language-to-macro parsing, and contextual AI coaching interfaces.
- **Developed a unified nutritional data pipeline that merges disparate API feeds** from USDA, FatSecret, and OpenFoodFacts, resolving schema conflicts to deliver a seamless, deduplicated food database of over 4,000,000 results.

Skills

- **Programming Languages:** JavaScript, Typescript, Swift, Python, SQL, PHP, HTML/CSS
- **Frameworks & Infrastructure:** React Native, Expo, React, Node.js, Supabase, Firebase, Vercel, Cloudflare Workers
- **Tools & Data Engineering:** Agile/Scrum, OAuth 2.0, PostHog Analytics, RESTful/GraphQL APIs, Git, Cursor, Postman

Education

Indiana University - Bloomington

May 2023

- Bachelor of Science in Informatics - Luddy School of Informatics, Computing, and Engineering
- Minors in "Marketing" and "Small Business Management and Entrepreneurship" from the Kelley School of Business