

# Ibrahim Hudson | Full-Stack Software Engineer

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## TECHNOLOGIES

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**Certifications:** Prompt Engineering (Cognizant), Design Thinking (Cognizant)

**Languages & Frameworks:** JavaScript, TypeScript, Python, React, React Native, Express.js, NodeJS, SQL, HTML/CSS

**Tools & Databases:** Git, GitHub, PostgreSQL, Bash, Postman, Gemini API, Knex.js, Expo, Cron, PostgreSQL, Stripe API, Apple IAP, Apple Testflight, Supabase

## Engineering Experience

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**REN|AI** | Gain Access via [Portfolio](#) | May 2025

*REN|AI is an AI-powered note-taking app, transforming ideas into goals so users can turn goals into products*

- Engineered a **full-stack mobile application** using the **PERN stack** with **TypeScript**, implementing a custom **AI-powered** content organization system that creates semantic connections between user notes and generates personalized productivity insights.
- Created proprietary **AI algorithms** for semantic note analysis using **industry-leading prompt engineering techniques**.
- Developed a comprehensive **RESTful API** with **20+ endpoints** using **Express.js**, integrating **Stripe/Apple IAP** payment processing, real-time **AI content analysis**, and secure session management with enterprise-grade **security** protocols.
- Built cross-platform mobile application using **React Native/Expo with TypeScript**, implementing custom navigation systems, rich text editing capabilities, and responsive UI components for a consistent user experience across iOS and Android.

**Green Quest** | PM/Developer for two Fullstack Engineers | [Github](#) | April 2025

*Community-based and AI-powered, eco-friendly habit*

- **Managed the end-to-end development** of Green Quest, an **AI-powered, full-stack application** built to gamify and incentivize eco-friendly actions within communities.
- Architected and oversaw the implementation of the application using the **PERN stack (PostgreSQL, Express.js, React, Node.js)**, ensuring a robust and scalable architecture.
- Integrated the **Gemini API** to power intelligent features, personalize user experiences, and provide dynamic feedback, significantly enhancing engagement and **environmental impact**.
- Led a cross-functional team, managing all project phases from strategic planning and technical design to deployment and optimization.

**GSWEP (Google Software Engineering Program)**, G-SWEP Engineering Fellow, New York, NY | Mar 2025 - Present

- Selected as 1 of 15 fellows for a 10-week **Google SWE mentorship program**, receiving 1:1 technical interview coaching and professional guidance

**SAS, Project Orchestration**, Cary, NC | January 2023 - August 2024

*Standardized code coverage across the RND department*

- Collaborated directly with senior executives to design and implement an organization-wide code coverage system utilizing **SonarQube & Docker**, aimed at improving transparency and decision-making across engineering teams.
- Translated complex code data into clear, actionable insights by developing **stakeholder-facing dashboards**, improving technical visibility, and cross-team communication.
- Demonstrated leadership by owning the full project lifecycle—from planning to presentation—resulting in the successful launch and operational adoption of our code coverage system.
- This contributed to a **high-impact initiative** that resulted in **year-round job offers** for both my teammates and me, underscoring the tangible value and success of our contributions.

## Work Experience

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**Apiary**, Raleigh, NC | June 2024 – Present

CEO (Present)

- **Founded** and spearheaded a creative agency specializing in visual storytelling, managing a team of 5 photographers to deliver high-quality content for clients across events, branding, and digital campaigns.
- Oversaw project workflows from concept to delivery, including creative direction, client communication, and post-production, resulting in a 90% client satisfaction rate and repeat business.

Freelance Photographer (Present)

- Captured and edited high-quality images for events, portraits, and branded content, aligning visuals with client goals and creative briefs to deliver compelling visual narratives.
- Delivered over 150 professionally edited photos per client project on average, meeting tight deadlines while maintaining high creative standards and consistency across all assets.

## EDUCATION

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**Software Engineering Fellowship** - The Marcy Lab School, Brooklyn, NY | Sept 2024 - Sept 2025

- Completed 2,000 hours of coursework in web development, CS fundamentals, and leadership development
- Developed proficiency in HTML/CSS, JavaScript, Python, NodeJS, ReactJS, and PostgreSQL

**North Carolina Agricultural and Technical State University**, Greensboro, NC | August 2023 – August 2024

- BA/BS in Computer Science, Fidelity Scholar Full-Ride Scholarship