

Juan Apolo

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EDUCATION

Universidad del Azuay

Bachelor of Arts in Computer Science

Cuenca, Ecuador

Aug. 2023 – May 2027

- Relevant coursework: Data Structures and Algorithms, Software Engineering, Intro to CS, OOP in java, Database Systems, Computer Systems, Discrete Mathematics

EXPERIENCE

Software Engineering Fellow

Headstarter AI

July 2024 – Present

New York, NY

- Built 5 AI applications using Next.js, Firebase, and Vercel, while collaborating with 3 Fellows in weekly sprints
- Led the integration of OpenAI API and Stripe API to build a dynamic flashcard SaaS product, successfully deploying custom pricing plans and paywall functionality
- Developed an AI-powered customer support agent using Next.js and a custom RAG pipeline with OpenAI and Pinecone, improving response accuracy by leveraging company-specific knowledge bases

Full-Stack Software Engineer

Freelance for local brands

August 2023 – Present

New York, NY

- Boosted user engagement by optimizing website accessibility, resulting in a 10% increase in customer inquiries
- Crafted dynamic animations and interactive elements to showcase client services, driving over 1,000 monthly website visits significantly improving user experience
- Leveraged Next.js to cut code redundancy by 30%, enhancing codebase scalability and maintainability

PROJECTS

SecondSight | [Github](#) | [Demo](#)

Flutter, Firebase, Kotlin, OAuth, Gemini API

- Architected and developed a mobile journaling app that supports mental health by leveraging the Gemini API to analyze user emotions and provide personalized insights over time
- Implemented robust data tracking features, including daily check-ins, mood tracking, and a calendar view, empowering users to monitor their mental health progress and patterns
- Enhanced user experience through intuitive UI/UX design, ensuring seamless entry management and sorting, resulting in a highly engaged user base

Naan Negotiator | [Github](#) | [Demo](#)

Next.js, Typescript, OpenAI API, Tailwind, Vercel SDK

- Optimized restaurant ordering process through a chat-based interface, ensuring efficiency and user convenience
- Facilitated seamless conversing, and cart management within the chatbot, enhancing checkout experience
- Developed a highly intuitive and user-friendly interface, ensuring ease of use throughout every interaction

ClearScribe | [Github](#) | [Demo](#)

Next.js, MongoDB, Tailwind, Golang

- Led the frontend development, achieving a seamless user experience by crafting a responsive and intuitive design, improving readability and engagement
- Implemented efficient text and file transmission, reducing processing time by 20% for large inputs
- Developed a history page, displaying both original and modified texts, allowing users to track improvements over time

Lifeline

Figma, Canva, Sketchbook

- Designed and implemented the user interfaces for both the main page and the notification section of the app
- Utilized Figma, Canva, and Sketchbook to create wireframes, prototypes, and the final user interfaces, based on extensive research into opioid affectance rates in the US
- Conducted user feedback sessions, resulting in an empathetic and user-centric application

TECHNICAL SKILLS

Languages: Java, Python, C, C++, JavaScript, Typescript, HTML, CSS

Frameworks: React, Node.js, Flask, Next.js, Material-UI, Express.js, Tailwind

Developer Tools: Git, Unix, Postman, SQLite, Firebase, MongoDB, Vercel, Bash, Figma