

# Gustavo Rosales

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## Education

CUNY College of Staten Island

May 2023

Bachelor of Science in Computer Science

## Skills

- **Languages:** Experience in Python, SQL, TypeScript, JavaScript, C++; Familiar with, PHP, Rust
- **Technologies:** Next.js, React, MongoDB, MySQL, Pandas, Numpy, Flask, PostgreSQL, AWS, Firebase, Clerk, OpenAI
- **Tools:** Git/Github, Linux, VSCode, Visual Studio, Docker

## Technical Projects

[DevConnect](#), Tech Stack: Next.js, AWS (DynamoDB, ElastiCache), Clerk

Aug 2024

- Designed and implemented a full-stack web application enabling developers to showcase their websites and attract new users, resulting in a user base of 260 within the first month.
- Leveraged AWS DynamoDB for scalable, real-time data storage and management, along with Clerk Authentication for secure, user-friendly access control. Integrated AWS ElastiCache to build a real-time notification system, improving user engagement.
- Delivered as a capstone project for the Headstarter Fellowship, deploying the [platform](#) live on AWS, showcasing expertise in cloud infrastructure and serverless architectures

[RillaApp](#), **Hackathon**, Tech Stack: Next.js, Clerk, AWS

Aug 2024

- Developed a feature for sales managers to add, edit, and delete comments on specific sections of sales transcripts, with file attachment capabilities. Attracted 160 users.
- Implemented real-time data management using AWS DynamoDB and secure user authentication with Clerk. Integrated OpenAI API to leverage language models for enhanced functionality.
- Built as a capstone project during my seven-week Headstarter Fellowship, with the [live](#) site deployed on AWS.

[Memora](#), Tech Stack: Next.js, Stripe, Firebase, AWS

Aug 2024

- Developed a web based flashcard generator for studying powered by AI. Gaining 27 users.
- Utilized Firestore for efficient, real-time database management and Firebase Authentication for secure user access. AWS Bedrock API to connect to their LLM's.
- One of five projects built from my seven week journey in Headstarter Fellowship. [Site](#) live through AWS.

## Technical Related Experience

CodePath, **Tech Fellow Teaching Assistant**

May 2024 - Present

- Collaborated with industry professional coaches and course instructors to deliver technical interview preparation sessions, providing expertise and guidance to help students succeed in technical interviews.
- Assisted in implementing mock interviews and coding challenges, working closely with coaches to simulate real-world interview scenarios and assess student readiness on topics like algorithms, complex data structures, and design patterns.
- Provided feedback to coaches and instructors on student performance and progress, contributing to the continuous improvement of the curriculum and teaching methods.

Headstarter AI, **Software Engineer Fellow**

July 2024 - Sep 2024

- Built and deployed 5 AI projects in 5 weeks using React JS, Next.js, Firebase, Clerk, and Vercel, following agile methodologies with weekly sprints and incorporated CI/CD practices for iterative deployment.
- Worked in a team of 3 to develop an interactive customer support agent using Next.js, integrated a custom RAG pipeline using OpenAI and Pinecone that responds based on a company's knowledge base.
- Collaborated with 3 Fellows to build and deploy a SaaS product that generates dynamic flashcards based on any topic using Llama 3.1 LLM via Bedrock API, integrated a paywall and custom pricing plans using the Stripe API.

Entrepreneurs of Tomorrow via Virtual Internships, **Software Developer**

Oct 2023 - Dec 2023

- Partnered with the Founder of EOT and collaborated with Duke University students within the incubator designed for young entrepreneurs.
- Successfully integrated a third-party platform to facilitate the initial round of the incubator, allowing judges to evaluate and rank students' businesses.
- Spearheaded the wireframing process for the development of the web application, focusing on implementing web3 technology within the learning platform.