

# Jayden Boesch

me@jboesch.com | (402) 889-0830 | New York, NY | [linkedin.com/in/jayden-boesch](https://www.linkedin.com/in/jayden-boesch) | [jboesch.com](https://jboesch.com)

## SKILLS

---

**Languages:** Typescript, Javascript, Python, C, SQL, HTML, Tailwind CSS

**Technologies:** React, Next.js, Node.js, Google Cloud Platform, Vercel, Amazon Web Services, NoSQL

## WORK EXPERIENCE

---

**Ensemble (Startup) | Co-Founder, CTO | January 2023-Present**

- Architected and built the entire tech stack for a blockchain-based digital art marketplace with Next.js and Typescript, leading to a \$1M investment and over \$60k in sales.
- Engineered a scalable backend architecture in Node.js, processed and cached blockchain data with GCP and Cloudflare, dramatically reducing page & media load time and supporting live sale state updates.
- Implemented failure-resistant distributed systems for data ingestion with detailed error logging, protecting against volatile data sources and reducing error rates on unreliable web3 services to near zero.
- Optimized frontend (Next.js, Typescript, Tailwind CSS, and Vercel) with responsive, performant, and accessible UI practices, increasing organic search impressions by 6x and boosting page ranking to top 10.
- Abstracted blockchain components (schemas, addresses, chains) into modular Node packages, greatly simplifying code, supporting strong types, and reducing dev time for updates by 10x.

**Tapp Sports (Startup) | Co-Founder, CTO | January 2020-2023**

- Led a team of four engineers in developing a sports data platform with a React web app, React Native mobile app, Node.js API, and a Python data analysis microservice, resulting in an acquisition in 2023.
- Designed a serverless, cloud-native REST API on GCP for performant processing and secure storage of athlete performance data in a NoSQL database, supporting 30+ sports teams and 100k+ data points.
- Created a data pipeline to efficiently query and compute statistics on large data sets, delivering instant insights into player performance and saving coaches 100+ hours managing data and spreadsheets.
- Deployed CI/CD workflows with GCP & Github Actions, reducing time to ship features across platforms.
- Conducted user interviews, continuously planned development sprints by working feedback into tasks.

**PenLINK | Software Engineer Intern | Summer 2020**

- Refined backend tools using C#, .NET, and SQL to format, process, and simulate large-scale law enforcement datasets, transforming raw communication data into reliable evidence and intelligence.

## PROJECTS

---

**AI Knowledge Graph | [github.com/jaboesch/llm-knowledge-graph](https://github.com/jaboesch/llm-knowledge-graph)**

- Developed a Python app to create structured knowledge graphs (in Neo4j) with LLMs from unstructured text inputs, increasing reliability and traceability of AI retrieval-augmented generation (RAG) outputs.
- Utilized cutting-edge research and tooling, including LangChain and HuggingFace to build AI agents for complex problem solving, demonstrated multi-hop solutions using vector embedding and graph traversal.

**Hashmark | [github.com/jaboesch/hashmark](https://github.com/jaboesch/hashmark)**

- Co-created an open-source blog system (Next.js, Typescript) featuring free, decentralized storage on Arweave and SEO optimizations via cached Server-Side Rendering and dynamic OpenGraph metadata.
- Built a rich-text editor inspired by Notion with markdown and slash commands using Prose Mirror.

## EDUCATION

---

**University of Nebraska, Lincoln**

*Bachelor of Science in Software Engineering (Minors in Business and Mathematics), May 2023*

- Graduated with **Highest Distinction** (3.99 GPA)
- Honors: Jeffrey S. Raikes School of Computer Science and Management