

Caleb Joshua Tagoe

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SUMMARY

Frontend Software Engineer with 3+ years of experience building large-scale web applications at Google and LangChain, including AI developer tooling, LLM observability, and performance-focused interfaces for complex data exploration.

SKILLS

Languages: TypeScript, JavaScript, Python, Java, C# | **Frontend:** React, Next.js | **Backend:** Node.js, Express, .NET | **Databases:** PostgreSQL, MongoDB | **Cloud & Tools:** AWS, GCP, Docker, Git, Spark

EXPERIENCE

LangChain, Software Engineer (Frontend), New York, NY

Jan 2026 - Jul 2026

- Owned frontend development for LangSmith's Trace Filtering Redesign, rebuilding a core trace and run filtering workflow with saved views, filter chips, nested filters, keyboard navigation, and trace/run switching to make high-volume LLM observability data easier to query and understand.
- Built and shipped Messages View and Threads Unification, a customer-facing trace inspection experience that turns complex LLM and agent runs into a readable conversation-style view with tool calls, subagent calls, LLM call navigation, and deep links into run details.
- Developed React/TypeScript UI systems for dense observability workflows, including virtualized run details, metadata inspection, scroll restoration, trace/thread navigation, and filter-driven debugging across large LLM traces..
- Partnered with backend, product, and UX teams to integrate streaming message APIs, metadata/filter actions, and SmithDB-backed trace query paths, helping reduce frontend backend-specific logic and improve long-term maintainability.
- Supported LangSmith reliability and product quality through on-call triage, customer bug fixes, E2E test debugging, feature-flagged rollouts, design doc reviews, and follow-up feature improvements across filtering, tracing, and run inspection workflows.

Google, Software Engineer (Frontend), Washington, D.C.

Oct 2021 - Apr 2024

- Increased product CTR by over 10% by building and optimizing shopping [frontend features](#) including Brand Picker and a preference-driven product carousel that surfaced items matching selected user preferences, using TypeScript and Java.
- Integrated backend APIs and optimized data-fetching workflows to reduce latency and deliver personalized shopping experiences at scale.
- Designed and ran A/B experiments on personalization features, using product metrics and real user behavior to guide iteration.
- Improved global UX and localization by implementing tooltips, dynamic layouts, and automated title translation across shopping surfaces.

Novative Solutions, Software Engineer, Virginia, Remote

Jan 2021 - May 2021

- Built internal Email and Shipping services in C# and .NET to automate notifications and backend order processing.
- Built React dashboards for inventory and sales tracking, and migrated UI templates across Angular, jQuery, and React.

Insight, Data Engineering Fellow, New York

May 2020 - Jul 2020

- Built [Living Insight](#), a full-stack data platform integrating NYC open datasets with simulated real estate data using Python, PySpark, PostgreSQL, and React.
- Created Tableau dashboards and embedded them in a custom React frontend to enable interactive regional analysis.

PROJECTS

Food Truck Finder, Full-Stack React + TypeScript App - <https://github.com/joshuatagoe/food-truck-finder>

Sep 2025

- Built a full-stack TypeScript React + Express web app with geospatial filtering, autocomplete, and Google Maps previews.
- Implemented a unified search API with Swagger docs, Docker setup, and automated tests (Jest + Vitest).

EDUCATION & CERTIFICATIONS

New York University, College of Arts and Science

Sep 2017 - May 2020

B.A. Computer Science

Emeritus

Dec 2020 - June 2021

Certificate in Applied Machine Learning