

CALEB JOSHUA TAGOE

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SKILLS: React, Next.js, TypeScript, JavaScript, Node.js, Express.js, .NET, Django, PostgreSQL, MongoDB, AWS (Cognito, S3, DynamoDB), GCP, Serverless Framework, Python, Java, C++, C#, HTML/CSS, Git, Netlify, Tableau, Apache Spark, Pandas, Figma

WORK EXPERIENCE

Google: *Software Engineer*

Oct 2021 – Apr 2024

- Built and optimized [frontend features](#) like Brand Picker and the IGS carousel using TypeScript and Java, enhancing performance and engagement for millions of users and increasing product CTR by over 10%.
- Integrated backend APIs and optimized database queries to reduce latency and deliver personalized shopping experiences at scale.
- Designed and ran A/B experiments on personalization features, using internal tools to analyze metrics and guide iteration based on real user behavior.
- Designed and shipped UI components (e.g. tooltips, carousels, hover states) for mobile and desktop platforms.
- Improved UX and localization by implementing tooltips, dynamic layouts, and automated title translation, collaborating cross-functionally to ensure global usability and accessibility.

Novative Solutions: *Software Engineer*

Jan 2021 – May 2021

- Built internal Email and Shipping services in C# and .NET to automate notifications and backend order processing.
- Integrated IdentityServer with the POS backend for secure authentication, testing against real hardware under a tight deadline.
- Built a React and Javascript dashboard for tracking inventory and sales, and converted templates across Angular, jQuery, and React to support multi-framework usage.

Insight: *Data Engineering Fellow*

May 2020 – Jul 2020

- Built [Living Insight](#), a full-stack data platform integrating NYC open datasets with simulated real estate data using Python, PySpark, and PostgreSQL.
- Processed data in AWS S3 and Spark, computed geospatial metrics with the Haversine formula, and served data via a Node.js + Express API.
- Created Tableau dashboards and embedded them in a custom React and Javascript frontend using the Tableau React API to enable interactive regional analysis.

PROJECTS

Basic Notes App | [GitHub](#)

React, Javascript, AWS Cognito, DynamoDB, Serverless Framework, Netlify

- Created and deployed a full-stack notes web app with login, registration, and full CRUD functionality.
- Used AWS Cognito for authentication and DynamoDB for persistent data storage.
- Built and deployed a REST API using the Serverless Framework, hosted frontend on Netlify.

SpaceX Contentful App | [GitHub](#) | [Live Demo](#)

Next.js, React, Javascript, Contentful CMS, SpaceX API, Netlify

- Built a statically rendered frontend to display SpaceX launch data using Next.js and the SpaceX API.
- Integrated Contentful CMS for managing launch content and metadata.
- Developed a custom autofill dropdown extension with Contentful's App Framework.
<https://github.com/joshuatagoe/api-dropdown>

EDUCATION & CERTIFICATIONS

New York University, College of Arts and Science | New York, NY

Sep 2017 – May 2020

B.A. Computer Science, 2020

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Computer Vision, Data Management and Design, Advanced Internet Technologies

Emeritus

Dec 2020 – Jun 2021

Postgraduate Certificate Applied Machine Learning