

Frederick Stoney

fredstoney22@gmail.com | 703-980-1349 | Arlington, VA

BACKGROUND

Analytical and impact-driven Senior Full Stack Engineer with 5 years of experience architecting cloud-scale systems across AWS and GCP. Proven track record of merging a deep statistical background with robust software design to drive algorithmic optimization, scale data-driven solutions, and bring significant revenue growth. Adept at leading cross-functional initiatives and translating complex business requirements into high-performance technical solutions.

TOOLS

Working Experience: JavaScript/TypeScript, React, Redux, NextJS, Svelte, Storybook, Go, Python, FastAPI, Flask, Microservices, REST, GraphQL, Docker, Gitlab CI/CD, Datadog, AWS, GCP, AWS CDK, Terraform, Spacelift, SQL, BigQuery, Firestore, Snowflake, Redis, Kafka, Airflow, AWS Sagemaker, Cursor, Claude

EXPERIENCE

Eventbrite, (Remote) - Software Engineer - Ads & Search

April 2024 - April 2026

SME in Ads bidding algorithm

- Spearheaded the design and execution of a new real-time ad auction algorithm after identifying budget spending inefficiencies via statistical analysis; validated via Statsig A/B testing to drive +\$300K/year in incremental revenue while reducing advertiser ad impression costs by 20%.
- Engineered a machine learning pipeline for time series Prophet Models using AWS SageMaker to predict traffic for millions of daily auctions, reducing variance in ad performance.
- Architected and deployed a Next.js web application and Backend-for-Frontend (BFF) service for high-traffic search pages using AWS CDK, decoupling from legacy systems and improving page performance

Clean Rooms West, (Remote) - Lead Software Engineer

Feb 2023 - April 2024

Owner of industrial IOT sensor management platform

- Built a real-time sensor data dashboard using TypeScript, React, and Node.js, enabling industrial clients to monitor critical environmental metrics.
- Deployed cloud-native infrastructure via AWS Amplify, implementing automated webhook and alert notification systems to reduce critical incident response times.

Fountain Life, (Remote)

June 2021 - Feb 2023

Lead Full Stack Engineer

Early startup, accessible Patient medical state management system with GCP

- Served as the core technical liaison across cross-functional teams, translating business requirements into technical sprint plans and managing third-party vendor integrations.
- Improved and maintained Python backend microservices, covering patient data, appointments, Stripe payments, signing documents electronically, notifications, and telehealth meetings.
- Architected a location selection google maps application utilizing a Go data retrieval layer and BigQuery database schema to bring location and pricing options to patients.
- Designed fullstack system to manage scheduling workflows, syncing availability and events across Outlook and Google Calendar

EDUCATION

University of Virginia, School of Engineering, Charlottesville Virginia

May 2021

Masters of Computer Science

GPA: 3.9/4.0

Honors: Computer Science Academic Excellence Fellowship

University of Virginia, College of Arts and Sciences, Charlottesville Virginia

May 2020

Bachelors in Computer Science and Statistics

Minor in Economics

GPA: 3.8/4.0

Honors: Echols Scholar