Miami, FL
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Kaosisochukwu “Kossy” Uzokwe

SKILLS

Languages: Python, Java, C#, Ruby, Javascript, Go

Frameworks: Django, Spring MVC, .NET, Ruby on Rails, ReactJS, EmberJS

Others: GraphQL, Docker, gRPC, RabbitMQ, PostgresQL, DynamoDB, Temporal, Elasticsearch

EDUCATION

Massachusetts Institute of Technology, B.Sc. — *Electrical Engineering and Computer Science*

August 2010 - June 2014

EXPERIENCE

Monte Carlo Data, Remote — *Senior Software Engineer*

April 2022 - February 2024

- Led the update and official listing of our Slack integration, introducing a user engagement tracking system based on customer interactions.
- Introduced the use of GraphQL dataloader patterns across most of the API resolver logic leading to a 2x speed up when fetching deeply nested resources.
- Migrated cache data from DynamoDB to Elasticache, resulting in a 62% storage cost reduction without any downtime.
- Streamlined our Elasticsearch cluster operations from one sizable cluster to multiple smaller, tailored clusters slashing update times from 16 hours to 1 hour and reducing costs by 12%.
- Worked as part of a trio of engineers building out the new agent architecture that unlocks multi-cloud support for our customers.

INTURN, Remote — *Staff Software Architect*

January 2021 - April 2022

- Led a team of 5 engineers working to stabilize the most critical pieces of the platform by redesigning them using Temporal to solve some of the nastier side effects of having adopted a microservice architecture.
- Redesigned the notifications system to solve performance bottlenecks that were increasingly leading to client messages being dropped.

INTURN, New York, NY — *Senior Software Engineer*

February 2018 - January 2021

- Designed and Implemented job orchestration that handles complex workflows distributed across many different services and provides a consistent and scalable approach to dealing with long running processes that span across myriad services built and deployed in a number of different ways.

- Redesigned and scaled our inventory normalization service to robustly handle customer-defined normalization rules for ingesting inventory data into our ecosystem. This system was backed by Amazon DynamoDB for state management.

Alphasights, New York, NY — *Software Engineering Manager*

December 2016 - February 2018

- Managed a team of 6 (4 engineers, 1 product manager, 1 designer) responsible for building and maintaining a core group of applications for Alphasights including a project management application for the Client Service Team and a bespoke conferencing solution that hosts a majority of interactions for the business.

Alphasights, New York, NY — *Software Engineer*

May 2015 - December 2016

- Implemented an end-to-end testing strategy for the large scale project management application consisting of an EmberJS single-page application and its Ruby on Rails API to ensure better stability of the service as a whole and prevent frequent downtimes caused by incompatible new code deploys.
- Spearheaded the migration of our APIs across all apps and services to GraphQL, and also implemented a majority of a GraphQL adapter for our EmberJS apps that was open-sourced as an Ember add-on.

JP Morgan Chase & Co., New York, NY — *Application Developer*

July 2014 - May 2015

- Worked as an Application Developer in the Securitized Products Group in the Investment Banking division primarily on an analytics tool for tracking trade color and a capital risk weight calculator.
- Automated the process of loading data into the group's analytics platform transforming an 8-hour manual process into a 5-minute automated script.
- Maintained a C++ calculator that computed risk weights for specific security instruments held in the bank's position to help the bank determine the exact amount of capital it would be required to hold per federal regulations. The calculator interfaced with a Java API that leveraged Drools in running segmentation models developed by the Research team.
- Built a Microsoft Office add-in with Visual Studio Tools for Office for use by the Asset-Backed Securities trading desks in the Securitized Products Group of the Investment Banking division.

AWARDS

Battlecode — *Finalist*

January 2013

- Battlecode is an MIT programming competition where two opposing autonomous AI bots compete in a real-time strategy game that involves managing resources and adapting strategy to evolving game conditions.
- Participated as part of a team of four students to program an artificial intelligence bot to compete in Battlecode. Progressed to the final tournament of the top 16 teams from a pool of over 200 teams.