

Liam Ellis
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Senior Developer
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Skills

Typescript, Javascript, ES6+, NodeJS, React, Next, GraphQL, Apollo, GraphQL Code Gen, PostGraphile, Hasura, Prisma, Flux, Redux, Express, Serverless Framework, Flask, AWS (IAM, AWS CLI, Data Pipeline, Elasticache, API Gateway, Pinpoint, AppSync, Amplify, Transfer Family, Lambda, EC2, S3, Cognito, Lex, Alexa, SNS, SQS, DynamoDB, RDS, CloudFormation, CloudWatch), Serverless Architecture, RESTful Architecture, Microservice Architecture, Python, Boto3, DevOps, Docker, Vagrant, nGrok, HTML, CSS, SASS, CSS-in-JS, Styled Components, Gulp, Bower, Brunch, Yarn, Webpack, Browserify, Babel, SQL, Postgres, SQLAlchemy, Firebase, MongoDB, Redis, SEED, Netlify, Vercel, Heroku, Travis CI, CircleCI, Github Actions, Shopify, Wordpress, Contentful, Netlify CMS, Git, Bit, GitLab, BitBucket

Projects

Soundpruf / Co-Founder

OCTOBER 2017 - DECEMBER 2019, NY, NY/MPLS, MN

- In combination with the Spotify API and a series of scheduled AWS Lambda crons, I developed a monitoring system to analyze each user's playback history. In doing so, we were able to offer personal metrics, competitive insights, and platform comparisons across artists and genres and even other users.
- Developed POC blockchain in Python as an off-network ledger, exposed through a RESTful API in a Flask application.

Experience

Freeman / Senior Software Engineer, Lead Developer (Contract)

APRIL 2019 - CURRENT, NY, NY

- Developed the Serverless + GraphQL + DynamoDB back end for one of the company's core SAAS offerings, a CMS responsible for managing complex event data (pre-COVID in person events as well as present day virtual events).
- Implemented a novel, client facing CMS layer to optimize the ease of access, management and customization of all CRUD functionality for event specific chatbots leveraging the AWS Lex platform.
- Single-handedly led the development and architecture behind the company's first and only completely automated platform for quickly scaffolding complex AWS Lex bots. In the click of a button, users could create event specific chatbots complete with their core slots and intents, with automated deployments of their respective chat interface to a static site hosted from an S3 bucket. All subsequent updates to the chatbot including the addition of novel chatbot behavior were supported via the custom CMS + automation layer without any need for the AWS Lex console or other programmatic intervention.

OMG / FLYPILOT Senior Software Engineer, Lead Developer (Contract)

MARCH 2019 - FEBRUARY 2021, NY, NY/LOS ANGELES, CA

- Responsible for the platform design and development of the company's largest contract.
 - Implemented an ETL service integrating and transforming disparate client data sources from both SOAP and REST resources,
 - Enabled a flexible front end consumption pattern by exposing the composite data via GraphQL
- Led several internal client contracts responsible for optimizing front end performance.
- Charged with leading the tooling, architecture and development of several client component libraries and their CI/CD pipelines

Education University of Minnesota, B.A. Anthropology, 3.8

**Additional work history and development projects furnished upon request*