Eric Ventor

Los Angeles, California   (818) 398-4136   ericventor97@gmail.com   GitHub.com/ericvtheg   LinkedIn.com/in/ericventor

Technical Expertise

- **Primary Languages**: Typescript, Python, SQL
- **Design Patterns**: Event driven architecture, microservices, BFF
- **Frontend**: React, React Router, Next.js, Vite, Tailwind CSS
- **Backend**: Node.js, NestJS, REST, GraphQL, Containers, Lambda
- **Databases**: PostgreSQL, DynamoDB, MongoDB, Elasticsearch
- **Tools**: Docker, Terraform, Jest, Datadog, Mixpanel, GitHub Actions, Git
- **AWS Services**: ECS, Kinesis, Lambda, API Gateway, SNS, SQS, RDS, IAM, S3

Experience

- **Software Engineer**   Apr. 2021 - Present

  iFIT - Interactive fitness   *Remote*
  - **SQL Query Optimizations**: Improved query performance by 500x causing a 99% decrease in latency.
  - **Observability**: Proactively improved reliability of alarms for better response times to incidents.
  - **Design Doc**: Collaborated with MongoDB consultants to architect the Milestone microservice. The service supports 1 million monthly users. Tech includes containers, Kinesis, MongoDB, and change streams.
  - **Incident Commander**: Took the role of incident commander in order to handle an outage with the team/org. Also presented a blameless postmortem afterwards.
  - **Chainsaw Service**: Redesigned and migrated a legacy service with 100 TB of data from Lambda + Postgres to NestJS + containers + MongoDB. Resulting in reduced cost, better user experience, and a more extensible codebase.

- **Media Software Engineer**   Jul. 2020 - Apr. 2021

  Disney - Media & Entertainment Distribution   *Remote*
  - **Media Hub SaaS**: Responsible for maintaining and contributing to an Emmy award winning web app used as a daily driver for over a thousand Disney employees.
  - **Cloud Architect**: Enable Media Operation users by architecting scalable, distributed systems using infrastructure as code such as AWS CloudFormation - capable of seamlessly scaling to necessary throughput.
  - **Serverless Developer**: Deploy serverless AWS technologies such as Lambda (Python3), SQS, SNS, DynamoDB, and API Gateway using the serverless framework to quickly deliver robust, scalable, and dependable workflows.
  - **RESTful CRUD API**: Created a DynamoDB CRUD API compatible with any table using Python3 Lambdas and API Gateway. API is heavily used, fully optimized, and adds functionality such as pseudo joins, ID generation, and JSON:API response format.
  - **Legacy Service Deprecation**: Saved tens of thousands in monthly overhead by leading the migration of a monolithic service into a carefully designed modern serverless event driven architecture.

- **Fullstack Engineer**   Feb. 2019 - Jul. 2020

  Sphere Influencer - Social Media Marketing   *Los Angeles, CA*
  - **Mona SaaS**: Enabled service based monthly income by building a full stack web app using React along with a serverless backend (Lambda/DynamoDB/API Gateway/SQS/SNS) accompanied by Elasticsearch to fulfill clients' influencer search and campaign needs.

PROJECTS

- **Monorepo**: Lead the deprecation of a monolithic sever by diagramming workflows and architecting a serverless solution. Solution includes Lambda, S3, API Gateway, SNS, SQS, and DynamoDB.

EDUCATION

- **University of California, Santa Cruz** Santa Cruz, CA
  Bachelors of Science in Computer Science *Sept. 2015 - Jun. 2019*