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## OBJECTIVE

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Engineer experienced in backend technologies looking to continue designing effective and user focused systems.

## TECHNICAL EXPERTISE

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- **Primary Languages:** Typescript (Node.js, NestJS, & React), Python3, and SQL (Postgres)
- **Technologies:** AWS, NestJS, ORMs, MongoDB, Mongoose, Serverless, Containers, GraphQL, Datadog, Terraform, Elasticsearch, Jest, Docker, Git, and CI/CD
- **AWS Services:** Lambda, DynamoDB, API Gateway, SNS, SQS, RDS, IAM, S3, and CloudWatch, CloudFormation

## EXPERIENCE

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- **Full Stack Developer** Apr. 2021 - Present  
*iFit Health & Fitness - Platform Division* *Remote*
  - **Stuff:** Containers, scaling, terraform, Chainsaw, migrating from Postgres to Mongo, designed graphql schema, designed mongo schema, created tickets and epics, road mapped, collaborated on the design process with staff engineers, drove conversation with third party consultants, created thorough documentation of design, wrote elegant tested code, applied best practices, proactively learned new technologies by creating my own side projects
  - **SQL Query Optimizations:** Improved query performance by several orders of magnitude through my Postgres expertise. Reducing endpoint latency significantly.
  - **Massive Scaling:** Helped build and maintain a service that is capable of processing and saving 100,000 concurrent POST requests simultaneously.
  - **Massive Data Aggregation:** Created a service using MongoDB that aggregates terabytes of data proactively. Allowing downstream consumers to receive incredibly large aggregations with millisecond latency.
  - **Production Deployments:** Make use of canary deployments, feature flags, and alarms in order to mitigate risk in production deployments.
  - **Best Practices:** Take passion in following best practices such as SOLID, DRY, and OOP to create maintainable, efficient, and readable code.
- **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

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- **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

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- **University of California, Santa Cruz**  
*Bachelors of Science in Computer Science*

Santa Cruz, CA  
*Sept. 2015 - Jun. 2019*