

## SKILLS

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- **Languages:** Javascript, Java, Python, C#, Bash, SQL
- **Technologies:** Node.js, Express, Docker, Linux, Terraform, MySQL, Kafka
- **Cloud:** AWS - EC2, Lambda, API Gateway, S3, EFS, SQS, SNS, DynamoDB, IAM, CloudWatch

## CAREER

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### Apple, Senior Software Engineer

Mar 2022 – Present

Data pipelines and backend services for munging weather data for hundreds of millions users

- Lead a large migration effort to update systems, tackle tech debt, and move to an Apple internal AWS account.
  - Onboarded 6 engineers to the project, helping them plan and break down tasks and review their code.
  - Re-architected the infrastructure as code improved stability and maintainability.
  - Wrote several validation tools to vet migrated systems against the old world.
- Re-wrote data source integrations to work over new networking and security constraints.
- Built tools and automated several manual tasks to alleviate firefights and improve system health.
- Goto person for “weird” bugs and issues, even outside the team, helping a sibling team diagnose severe outages.

### Foundation Medicine Inc., Senior Software Engineer

Aug 2020 – Mar 2022

SaaS for FMIs genomic sequencing analysis, matching cancers to immunotherapies

- Implemented serverless APIs and event handling services for providing genomics analysis to remote lab sites.
- Designed and built services for facilitating temporary access and the upload of genomic sequencing data.
- Lead effort to redesign and overhaul our configs to improve scalability of launching in many environments.
- Contributed continual quality of life improvements to our devops pipelines and QA mock services.

### Cimpress, Software Engineer II

Aug 2018 – Aug 2020

ML over APIs to provide artwork and imaging services to other teams

- Designed and built API services for asynchronous use of various image processing algorithms
- Researched, tested, and implemented distributed infra stack for hosting MxNet and pytorch ML models
- Built CI/CD pipelines, logging, metrics and system alerting for deploying and monitoring to production
- Built training tool sets for generation of training and validation data sets for training convolutional neural nets

### Vecna, Senior Software Engineer

Jul 2014 – Aug 2018

Patient portal and hospital check-in web application

- Contributed to building out frontend and backend for a stored payment methods feature
- Developed externally facing API for hospitals to validate patient accounts with us.
- Implemented OAuth2 service to authenticate and allow third party access to select data
- Lead design and implementation client-side configurable features for patient workflows

### Teradyne, Software Engineer Co-op

Sept 2013 - May 2014

### Emmanuel College, Systems Analyst Co-op

May 2012 - Aug 2013

## EDUCATION

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### Wentworth Institute of Technology

BS Computer Science, *cum laude*

May 2014

Boston, MA