

WORK EXPERIENCE

Dialogtech - Chicago, IL - *May 2017 - Current*

Software Engineer

- Nodejs Web Api serving data from DynamoDB and MySql
 - Goal was to migrate from MySql to Dynamo, then wrote a API to serve that data
 - Api was written to merge the data from Dynamo and Mysql to serve reporting needs
- Managed core product
 - System to track a user visiting a website, assigning them a phone number, and able to attribute what actions the user took in making the call (ie, direct visit to a website, click from ad, referred from another website, etc)
 - Stack was primary Nodejs web apis and Lambda Functions, AWS Kinesis, and Redis
- Serverless Nodejs Api (Web APIs, traffic logging)
 - Unit tests written in Mocha and Sinon for mocks
 - Lambdas ranged from serving reporting data to consuming a Kinesis Stream accumulating our core product's traffic
 - Lambda to sync up data between RDS and Redis

Intelligent Medical Objects - Northbrook, IL - *June 2015 - May 2017*

Software Engineer

- Full Stack Developer and Scrum Master
- Works with C#, ASP.NET, mostly web api and Angular 1 for front end
 - Unit tests and integration tests required for all projects
 - UI tests using Selenium for customer facing projects
 - Database backends were deployed automatically by Octopus Deploy
- Used other languages like Python, Powershell, Javascript when it fits the project's needs
 - AWS Lambda, Octopus Deploy Steps, one time scripts
- Implemented solutions using AWS
 - An ETL process for logs going from app > S3 > Lambda > Kinesis > Redshift
 - Automated load testing using JMeter and AWS services (EC2, S3, Lambda, SNS)
- Managed automated deployments using Octopus Deploy
 - Create deployment process for team's projects
 - Made custom step templates for team and department
- Part of the department's Agile Committee of Practice
 - Weekly meetings where the Scrum Masters discuss on how to improve how the department practices Agile
- Conducted interviews for all software candidates. Scrum Masters, Product Owners, junior mid and senior level developers.

PERSONAL PROJECTS

- Dungeons and Dragons App: Serverless Application written in C# and Vuejs. Api deployed using the SAM model and the front end is hosted on S3. Also using a SocketIO server to do real time communication on all instances of the application (ie, when a player loses HP, all players on the app will see that in real time)
- Containers: Experimenting with Kubernetes and containers. Containerize Nodejs application to try out autoscaling and deployment strategies with Itsio

EDUCATION

University of Illinois – Urbana-Champaign, IL

Bachelors in Computer Science May 2014