

# Matthew Cavener

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## Experience

### **Software Engineer 2**, divvyDOSE/Optum

Jan 2022 to Present

- Built Typescript Lambda functions to handle ETL processes for user data
- Developed Terraform modules to manage AWS resources
- Built .NET Core microservices to handle business logic for user self service portal
- Reduced company AWS spend by optimizing DynamoDB calls
- Created React components for user self service portal
- Improved CircleCI pipelines to facilitate testing and simplify deployment of new services
- Migrated CI/CD pipelines from CircleCI to GitHub Actions
- Built Spring Boot service to replace a legacy survey system

### **Sr. Data Engineer**, Nike (via IGNW)

Jan 2021 to Jan 2022

- Enhanced data quality by leveraging ML models to align synthetic data with production data
- Built Python ETL pipelines to inject production-like data into testing pipelines

### **Software Engineer**, Carvana

July 2019 to Nov 2021

- Implemented new conversational paths in Python chatbot to reduce customer service call volume
- Implemented A/B testing for chatbot verbiage
- Developed proof of concept for graph DB implementation of chatbot conversation trees

### **Software Engineer**, Nextiva

Mar 2018 to July 2019

- Built Python microservices to handle business logic for embedded chat widget
- Architected and implemented image upload functionality for chat widget
- Developed integrations with first and third party CRM systems
- Built proof of concept chatbot builder for chat widget

### **Software Developer**, 7-Eleven Stores

May 2017 to Jan 2018

- Developed and maintained point of sale backend services in Python
- Automated deployment of discounts and promotions to stores

## Skills

- **Languages:** Python, JavaScript, TypeScript, SQL, GDScript
- **Technologies:** FastAPI, Flask, Git, AWS, Docker, Terraform, React, Node, Neo4j
- **Other:** API design, unit, integration, and end-to-end testing, CI/CD

## Education

Bachelor of Science in Physics, Oklahoma State University, 2015