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<https://s3.amazonaws.com/portfolio-starboardtechnologies.com/index.html>

Jake Edward Garetson

Objective: *Seeking employment/internship opportunity related to the use of cloud technologies.*

Education:

Amazon Web Services Certified Developer Associate
Amazon Web Services Certified Solutions Architect Associate
freeCodeCamp Front End Developer Certification

University of Oklahoma , Norman, OK
Bachelors of Arts in Communication, 2018

Solutions Architecture/Project Management Tools:

- *Terraform
- *Jira
- *Confluence
- *Gliffy

Languages/Libraries/IDEs:

*Web Development	iOS Development	Container/Orchestration
-HTML	-Swift	-Docker
-CSS	-Xcode	-Kubernetes
-Javascript	-ARKit	
-jQuery	-Cocoa Touch	
-Ajax		
Bootstrap		
-Django		
Code Editor IDE	Misc	
-Visual Studio	-Python	
-Visual Studio Code	-JSON	
-Atom	-NodeJS	
-Sublime Text	-SQL	
-SQL Server Management Studio		

Cloud Providers Experience:

- *Amazon Web Services
- *IBM Cloud
- *Microsoft Azure
- *Digital Ocean
- *Google Cloud Provider

Cloud Providers' Microservices Experience:***Amazon Web Services**

- AWS VPC & Flow Logs
- AWS NAT Gateway
- AWS EC2
- AWS S3
- AWS IAM
- AWS SQS
- AWS Route 53
- AWS Lambda
- AWS Alexa
- Amazon Lex
- Amazon Polly
- Amazon Recognition
- Amazon Comprehend
- Amazon Translate
- Amazon Transcribe
- Amazon Sage Maker
- AWS DeepLens
- Amazon Machine Learning
- AWS Application Load Balancer
- AWS Elastic Block Store
- AWS API Gateway
- AWS Auto-Scaling
- AWS Cognito
- AWS CloudFormation
- AWS CloudTrail and Trail Logs
- AWS CloudFront
- AWS CloudWatch
- AWS ElastiCache
- AWS Key Management Services

***IBM Cloud**

- Watson Assistant
- Watson Discovery
- Watson Knowledge Studio
- Watson Language Translator
- Watson Natural Language Classifier
- Natural Language Understanding
- Watson Personality Insights
- Watson Speech to Text
- Watson Text to Speech
- Watson Tone Analyzer
- Watson Visual Recognition

***Microsoft Azure**

- Azure Resource Group
- Azure Virtual Private Network
- AzureRM Virtual Machine
- AzureRM Storage Account
- AzureRM Key Vault
- AzureRM SQL Server

***Digital Ocean**

- Digital Ocean Droplet

***Google Cloud Provider**

- Google Compute Network
- Google Storage Bucket
- Google SQL Database Instance
- Google Bigtable Instance
- Google Bigtable Table
- Google CloudFunctions Function

Work History:

2018 *Three Ventures Technology, INC*

- Primary role as a junior solutions architect.
- Developed auto-scaling infrastructure code for AWS and Azure via Terraform to host an application which manages an IOT fleet with bilateral communication.
- Developed and maintained Jira issues/Confluence pages and spaces relative to the clients' needs.
- Developed Gliffy architectural diagrams to graphically represent infrastructure code based on the clients' needs and specifications.

2018 *Starboard Technologies, LLC*

- Founder and creator of LLC.
- Built a serverless site which converts IT certification exam text-notes into mp3s using Amazon Polly, AWS S3, AWS API Gateway, Amazon DynamoDB, Amazon SNS, and AWS Lambda (JSON & Python 3.6 used).
- Built an Amazon Alexa Skill which outputs mp3 study notes from my Amazon Polly serverless web application (NodeJS used).

Personal Software Projects:

**A series of iOS Augmented Reality applications.*

**AWS Alexa Skill which is geared towards learning sight and high-frequency words for the user to become better at spelling and reading. It is a possibility I will port my code to IBM Watson as opposed to AWS Alexa.*

**Developing a web application where I can be contacted related to the consulting services I can provide.*

Research:

**IBM Quantum Experience.*

**Microsoft Quantum Development Kit & it's potential applications.*

**Deep Learning Experiments with TensorFlow.*

**Security Best Practices across all cloud providers I use and conduct research with.*

Future Certifications/Nanodegrees:

**Amazon Web Services Certified Security Specialty*

**Amazon Web Services Certified Big Data Specialty*

**Udacity's iOS Development Nanodegree*