



New York, NY | 571-354-7324 | ayyazakhtar1@gmail.com | ayyazakhtar.com

##### Github #####  
disneystreaming/automated-cloud-advisor aakhtar3/aakhtar3.github.io

##### Certifications #####

AWS: Associate(Solution Architect, Developer, SysOps) Scrum: Certified Scrum Master  
Professional(Solution Architect, DevOps Engineer)

##### Technologies #####

Adobe.....: Photoshop, Lightroom, Illustrator	Security....: IAM, KMS, JWT, Reverse Engineering
Client.....: HTML5, CSS3, JavaScript, React, Angular	AWS.....: EC2, ECS, S3, RDS, Lambda, CloudWatch
Server.....: Nodejs, Java, Python, Meteor, Ruby, PHP	Networking.: VPC, VPN, SG, CIDR, Route53, RouteTables
SQL.....: Aurora, Athena, PostgreSQL, MySQL, Oracle	Pen Testing: Metasploit, Wireshark, BurpSuite, SQLMap
Data Science: Machine Learning, Scikit-learn, NetworkX	Monitoring.: SNS, ELK, XRay, Alarms, New Relic, Datadog
NoSQL.....: DynamoDB, MongoDB, Redis, Neo4j, Accumulo	DevOps.....: CloudFormation, Jenkins, Docker, Hashicorp
Big Data....: EMR, Kinesis, Flink, Storm, Kafka, RabbitMQ	OS.....: Kali, Amazon, Ubuntu, CentOS, Mac, Windows

##### Education #####

[09:14-05:17] MS Information Technology@Virginia Tech:~/Blacksburg/VA ./gpa 3.97  
[09:11-05:14] BS Information Technology@George Mason:~/Fairfax/VA ./gpa 3.32

##### Experience #####

[09:21-Today] Lead Software Engineer@Disney Streaming:~/New York/NY  
[11:19-09:21] Senior Software Engineer@Disney Streaming:~/New York/NY  
> Re-architected Disney+ web multi-region to become highly available and resilient.  
> Reformed my team's agile processes by improving team cohesion and requirement gathering.  
> Increased the web throughput performance of Disney+ by ~70% with a compressed caching solution.  
> Classified cost optimizations of +\$100,000 in idle cloud resources by building an automated cloud advisor.

[01:18-10:19] Senior Full-Stack Software Engineer@Capital One:~/McLean/VA  
> Involved in multiple inner source efforts while mentoring junior developers.  
> Advanced developer tool kits to automate serverless architecture applications.  
> Reduced cost by ~\$2,000 a month by modernizing web applications to using serverless technologies.  
> Updated the marketing decision engine by automating the business process with big data streaming technologies.

[11:16-01:18] Full-Stack Software Engineer@Capital One:~/McLean/VA  
> Contributed and influenced the Capital One Nodejs enterprise framework.  
> Presented various knowledge sharing topics at internal networking events.  
> Improved end-user experience by building interactive navigating UI widgets.  
> Upgraded an application's cloud architecture to enable CICD and be security compliant.

[01:16-11:16] Software Engineer II@Booz Allen Hamilton:~/McLean/VA  
> Overhauled an enterprise software's dependencies mapping and testing suite.  
> Designed an automation tool that interrogated, vetted, and updated data through a job scheduler.  
> Integrated a tracking analytics tool across multiple applications to identify actionable insights.  
> Diminished memory complexity issues from  $O(n^2)$  to  $O(1)$  by writing a scalable re-indexing streaming solution.

[08:14-01:16] Software Engineer I@Booz Allen Hamilton:~/McLean/VA  
> Worked as a full-stack in an agile and test-driven environment developing intelligence platforms.  
> Cultivated tools to allow analysts access to near real-time threat intelligence and write reports.  
> Assisted in rapid prototyping, hosted presentations, gathered requirements, and implemented features.  
> Revamped a security platform's API by patching vulnerabilities and enabling encryption in flight and at rest.

##### Nonprofit #####

[01:14-04:14] Junior Database Administrator@Facets:~/Fairfax/VA  
[10:13-04:14] Junior Database Administrator@Tahirih Justice Center:~/Fairfax/VA  
[10:13-04:14] Consultant@Nati. Center For Miss. & Expl. Children:~/Alexandria/VA