



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)  
Professional(Solution Architect, DevOps Engineer)

Scrum: Certified Scrum Master

##### Technologies #####

Adobe.....: Photoshop, Lightroom, Illustrator  
Client.....: HTML5, CSS3, JavaScript, React, Angular  
Server.....: Nodejs, Java, Python, Meteor, Ruby, PHP  
SQL.....: Auora, Athena, PostgreSQL, MySQL, Oracle  
Data Science: Machine Learning, Scikit-learn, NetworkX  
NoSQL.....: DynamoDB, MongoDB, Redis, Neo4j, Accumulo  
Big Data....: EMR, Kinesis, Flink, Storm, Kafka, RabbitMQ

Security...: IAM, KMS, JWT, Reverse Engineering  
AWS.....: EC2, ECS, S3, RDS, Lambda, CloudWatch  
Networking.: VPC, VPN, SG, CIDR, Route53, RouteTables  
Pen Testing: Metasploit, Wireshark, BurpSuite, SQLMap  
Monitoring.: SNS, ELK, XRay, Alarms, New Relic, Datadog  
DevOps.....: CloudFormation, Jenkins, Docker, Hashicorp  
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 #####

[11:19-Today] Senior Software Engineer@Disney Streaming Service:~/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