



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

/\*\*\*\*\* Github \*\*\*\*\*/

disneystreaming/automated-cloud-advisor  
neetcode-gh/leetcode

aakhtar3/aakhtar3.github.io

/\*\*\*\*\* Certifications \*\*\*\*\*/

AWS: Associate (Solution Architect, Developer, SysOps)      Scrum Alliance: Certified Scrum (Master, Developer)  
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.....: Auora, 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

- > Lowered the number of daily deployments by 66% from creating a monorepo pipeline.
- > Simplified the complexity of our web proxies by templating 50+ environments down to 2.
- > Generated multiple Cloud Formation Templates to automate the process of building web cloud infrastructure.
- > Created a shareable Jenkins library with multiple pipelines that can build, test, publish, deploy projects.

[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 CI/CD 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