

Ayyaz Aakhtar

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

/***** Github *****/

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

aakhtar3/aakhtar3.github.io
aakhtar3/javascript-projects

/***** Certifications *****/

AWS: Associate (Solution Architect, Developer, SysOps)
Professional (Solution Architect, DevOps Engineer)
Specialty (Security, Advanced Networking)

Scrum..: Certified Scrum (Master, Developer)
CompTIA: Infrastructure (Network+, Linux+, Cloud+)
Cybersec. (Security+, CySA+, PenTest+, CASP+)

/***** Technologies *****/

Adobe....: Photoshop, Lightroom, Illustrator, Fresco
Client....: HTML5, CSS3, JavaScript, TypeScript, Next
Server....: Node, Bash, Groovy, Java, Python, Ruby, PHP
Database..: Aurora, Dynamo, Redis, Mongo, Neo4j, Keyspaces
Analytics: Kinesis, MQ, EMR, Redshift, Athena, Data Lakes

AWS.....: Serverless, Containers, Data Analytics
Security..: IAM, SCP, KMS, JWT, VPN, WAF, SIEM, IPsec
Networking: Route53, VPC, Routing table, CIDR, NACL, SG
Monitoring: SNS, PagerDuty, Datadog, ELK, RUM, APM, XRay
Automation: CloudFormation, Jenkins, Docker, Hashicorp

/***** Recent Experience *****/

#!/usr/bin/env Security-Researcher

- > Identified vulnerable open endpoints from the NYU domain and created pentest reports.
- > Hosted a global capture the flag competition with over 1800+ teams and 4500+ players.
- > Built on-premise and cloud infrastructure with VPN, segmentation, and OAuth access.
- > Created observability dashboards to display syslogs, container logs, and host metrics.
- > Maintained a dev.to tech blog with topics on cloud, network, security, and software.

#!/usr/bin/env Software-Architect

- > Designed custom CI/CD Jenkins library tailored to Monorepos with 100% code coverage.
- > Increased web throughput by 70% with a compressed cache solution by fixing bottlenecks.
- > Implemented highly available failover mechanisms to ensure uninterrupted services.
- > Open-sourced an AWS cloud optimization tool to improve cost efficiency and utilization.
- > Contributed and analyzed 400+ JavaScript solutions on neetcode.io as a resource.

#!/usr/bin/env Technology-Lead

- > Technology lead on Disney+, Star+, ESPN+, and Hulu Web Architecture/Infrastructure.
- > Support developers with debugging, troubleshooting, requirements, and implementation.
- > Monitored roadmap milestones progress to deliver strategic work and adjust priorities.
- > Socialized RFCs to stakeholders and teams to gather feedback and refine requirements.
- > Automated, gathered, and displayed team metrics to support data-driven decision-making.

#!/usr/bin/env Scrum-Master

- > Hosted scrum workshops to teach work breakdown, story/mapping, mob programming, and TDD.
- > Participated in cross-functional working groups to promote cross-organization alignment.
- > Conducted fire drills to identify gaps and improve production incident response.
- > Supervised pairing sessions to foster knowledge sharing, collaboration, and cohesion.
- > Converted technical ideas into engaging demos, ensuring features to stakeholders.

/***** Education *****/

[09/23-05/25] MS Cybersecurity@New York University:~/New York/NY ./gpa 4.0

[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

/***** Profession *****/

[09/21-Today] Lead Software Engineer (DevOps)@Disney Streaming:~/New York/NY

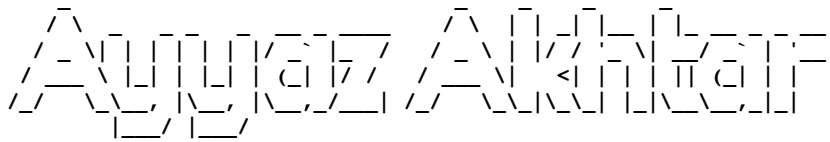
[11/19-09/21] Senior Software Engineer (DevOps)@Disney Streaming:~/New York/NY

[01/18-10/19] Senior Software Engineer (Full-Stack)@Capital One:~/McLean/VA

[11/16-01/18] Software Engineer (Full-Stack)@Capital One:~/McLean/VA

[01/16-11/16] Software Engineer II (Full-Stack)@Booz Allen Hamilton:~/McLean/VA

[08/14-01/16] Software Engineer I (Full-Stack)@Booz Allen Hamilton:~/McLean/VA



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

***** Github *****

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

aakhtar3/aakhtar3.github.io
aakhtar3/javascript-projects

***** Certifications *****

AWS: Associate (Solution Architect, Developer, SysOps)	Scrum : Certified Scrum (Master, Developer)
Professional (Solution Architect, DevOps Engineer)	CompTIA: Infrastructure (Network+, Linux+, Cloud+)
Specialty (Security, Advanced Networking)	Cybersec. (Security+, CySA+, PenTest+, CASP+)

***** Technologies *****

Adobe : Photoshop, Lightroom, Illustrator, Fresco	AWS : Serverless, Containers, Data Analytics
Client : HTML5, CSS3, JavaScript, TypeScript, Next	Security : IAM, SCP, KMS, JWT, VPN, WAF, SIEM, IPsec
Server : Node, Bash, Groovy, Java, Python, Ruby, PHP	Networking: Route53, VPC, Routing table, CIDR, NACL, SG
Database : Aurora, Dynamo, Redis, Mongo, Neo4j, Keyspaces	Monitoring: SNS, PagerDuty, Datadog, ELK, RUM, APM, XRay
Analytics: Kinesis, MQ, EMR, Redshift, Athena, Data Lakes	Automation: CloudFormation, Jenkins, Docker, Hashicorp

***** Recent Experience *****

Security Researcher

- > Identified vulnerable open endpoints from the NYU domain and created pentest reports.
- > Hosted a global capture the flag competition with over 1800+ teams and 4500+ players.
- > Built on-premise and cloud infrastructure with VPN, segmentation, and OAuth access.
- > Created observability dashboards to display syslogs, container logs, and host metrics.
- > Maintained a dev.to tech blog with topics on cloud, network, security, and software.

Software Architect

- > Designed custom CI/CD Jenkins library tailored to Monorepos with 100% code coverage.
- > Increased web throughput by 70% with a compressed cache solution by fixing bottlenecks.
- > Implemented highly available failover mechanisms to ensure uninterrupted services.
- > Open-sourced an AWS cloud optimization tool to improve cost efficiency and utilization.
- > Contributed and analyzed 400+ JavaScript solutions on neetcode.io as a resource.

Technology Lead

- > Technology lead on Disney+, Star+, ESPN+, and Hulu Web Architecture/Infrastructure.
- > Support developers with debugging, troubleshooting, requirements, and implementation.
- > Monitored roadmap milestones progress to deliver strategic work and adjust priorities.
- > Socialized RFCs to stakeholders and teams to gather feedback and refine requirements.
- > Automated, gathered, and displayed team metrics to support data-driven decision-making.

Scrum Master

- > Hosted scrum workshops to teach work breakdown, story/mapping, mob programming, and TDD.
- > Participated in cross-functional working groups to promote cross-organization alignment.
- > Conducted fire drills to identify gaps and improve production incident response.
- > Supervised pairing sessions to foster knowledge sharing, collaboration, and cohesion.
- > Converted technical ideas into engaging demos, ensuring features to stakeholders.

***** Education *****

09-23 05-25 MS Cybersecurity @ New York University: New York NY - 4.0
09-14 05-17 MS Information Technology @ Virginia Tech: Blacksburg VA - 3.97
09-11 05-14 BS Information Technology @ George Mason: Fairfax VA - 3.32

***** Profession *****

09-21 Today Lead Software Engineer (DevOps) @ Disney Streaming: New York NY
11-19 09-21 Senior Software Engineer (DevOps) @ Disney Streaming: New York NY
01-18 10-19 Senior Software Engineer (Full-Stack) @ Capital One: McLean VA
11-16 01-18 Software Engineer (Full-Stack) @ Capital One: McLean VA
01-16 11-16 Software Engineer II (Full-Stack) @ Booz Allen Hamilton: McLean VA
08-14 01-16 Software Engineer I (Full-Stack) @ Booz Allen Hamilton: McLean VA