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Github Open Source

disneystreaming/automated-cloud-advisor

aakhtar3/aakhtar3.github.io

Certifications

AWS: Solution Architect Pro, DevOps Engineer

Scrum...: Certified Scrum Master

Solution Architect, Developer, SysOps Administrator

Technical Skills

Adobe.....: Photoshop, Lightroom, Illustrator

Security...: IAM, KMS, Reverse Engineering, JWT

Client.....: JavaScript, React, Angular, HTML5, CSS3

AWS.....: EC2, ECS, Lambda, S3, RDS, CloudWatch

Server.....: Nodejs, Java, Python, Meteor, Ruby, PHP

Networking.: Route53, VPC, VPN, SG, RouteTables, CIDR

SQL.....: Aurora, Athena, PostgreSQL, MySQL, Oracle

Pen Testing: Metasploit, Wireshark, BurpSuite, SQLMap

Data Science: Machine Learning, Scikit-learn, NetworkX

Monitoring.: Alarms, XRay, SNS, ELK, 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

Professional 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 custodian.

[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