



MOHAMED HAJR

AWS CLOUD ENGINEER | DEVOPS ENGINEER

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EXPERIENCE

GULF DATA
INTERNATIONAL
NOV-2020

DevOps Engineer - Remote

- Design, implement and maintain all AWS infrastructure and services within a managed service environment.
- Provide architectural guidance, diagrams, and recommendations. Participate in deep architectural discussions to ensure solutions are designed for successful deployment and high availability in AWS.
- Fully Automate infrastructure provisioning of EKS Clusters, Lambda Functions, VPCs, API Gateway APIs using a mix of Terraform, CloudFormation, and SAM.
- Implement CSFLE(Client-side field-level encryption) for MongoDB using AWS KMS and MongoDB Drivers(Node.js and Java).
- Written various **Lambda** services to automate routine maintenance tasks, process and quality improvements.
- Develop bash/python scripts to glue and integrate multiple software components.
- Dockerize and secure Frontend and backend applications.
- Develop REST APIs and documentation using Node.js, Express.js, Swagger, API Gateway, and Lambda.
- Assist business development teams with pre-sales activities, RFPs, and SOWs.
- Collaborations with customers, business units, vendors, and other engineering teams, solving complex business problems together.

EFFICIAM
JUNE-2019 -
AUG-2019

Software Engineer(Scala) - Remote

- Researched and studied in a team of 2 about functional programming techniques, and category theory application in a microservice architecture.
- Wrote unit and integration tests for Rest APIs. Researched and studied in a team of 2 about functional programming techniques, and category theory application in a Microservices architecture.
- Refactored and built new APIs to address business logic using Cats, Cats-Effect, Http4s, Doobie, and Tagless-final
- Wrote unit and integration tests for Rest APIs.

THIRDEYE GEN, INC.
MAR-2018 -
FEB-2019

Full Stack Engineer(Node.js, React.js, AWS) - Remote

- Eliminated all concurrency and race conditions in production
- Architected the backend microservices to address scalability challenges for the purpose of introducing new features and optimizing performance.
- Deployed infrastructure on AWS using Elastic Beanstalk, S3, Cloud Front, Application load balancer, EC2 auto-scaling, ACM Certificate Manager, Route 53.
- Implemented blue-green deployment pipelines using Jenkins.
- Developed JSON REST APIs and Microservices using Node.js, Express, MongoDB, and Swagger for features like Auth using JWT, users profiles, messages, friendships, presence.
- Wrote unit and integration tests using Mocha and Chai.
- Developed a presence and signaling Microservices for users to initiate a peer to peer calls with online users via WebRTC using Node.js and Socket.io.
- Collaborated with the App development team which includes Mobile Developer, Product Manager, Front End Engineer in identifying software problems, testing methods, and solutions.

CERTIFICATES

LICENSES & CERTIFICATIONS

Certified Kubernetes Administrator - The Linux Foundation - Jun 2022

AWS Certified Solutions Architect Associate - Amazon - Oct 2020 - Oct 2023

AWS Certified Developer Associate - Amazon - June 2021 - June 2024

AWS Certified SysOps Administrator Associate - Amazon - Sep 2021 - Sep 2024

AWS Certified Cloud Practitioner - Amazon - Aug 2020 - Aug 2023

HashiCorp Certified Terraform Associate - Oct 2020 - Oct 2022

Mobile Application Launchpad - Google - Feb 2016

PROJECTS

- **RemoteDevops.ninja** Job board aggregator for all DevOps and Cloud related positions
 - Dev
 - React, Material UI, and React-Apollo for communication with the GraphQL API
 - AWS SDK
 - Node.js, Express, Mocha, Chai, GraphQL, Prisma, Postgres
 - Python, Scrapy(jobs aggregations)
 - Ops
 - Terraform, Bash, Docker, SAM
 - ECS, Lambda, VPC, EC2, ECR, RDS, CloudFront, S3, ACM, IAM, Route53, Cloud Watch Events
 - Continuous Integration: Code Pipeline, Code Build, Code Deploy, GitHub
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- **Highly Available WordPress**
 - LEMP Stack (Nginx, MySQL), WordPress.
 - VPC, EC2, Application Load Balancer, EFS, RDS Aurora, Elastic Cache, ACM.
 - Infrastructure as code with Terraform, scripting with bash.

SKILLS

Programming NodeJS, Python, Bash, Scala, Kotlin, Java

Web Development React, MERN Stack, LEMP Stack, CMS(WordPress), GraphQL, Swagger

Deployment Docker, Kubernetes, Swarm Mode, Heroku, Serverless, SAM

CI/Automation Terraform, CloudFormation, GitHub Actions, Azure DevOps, Code Pipeline, Code Build, Code Deploy, Jenkins

Serverless Lambda, API Gateway, Cognito

AWS Control Tower, SSO, Transit Gateway, Organizations, RAM, S3, EC2, VPC, IAM, EFS, Route53, CloudFront, SQS, SNS

Load Balancer Nginx, ALB, NLB

Monitoring/Logging CloudWatch

Service Discovery ETCD, Route53

Artifact Management Artifactory, ECR

SCM Git, Github, Gitlab, Bitbucket

Build Tools Gradle, Maven, Webpack

Databases/Message Broker MongoDB, RDS, Aurora, DynamoDB, MySQL, , PostgreSQL, Redis

Testing JUnit, Mocha, Chai

Mobile Android

Agile Scrum, Jira, Azure Devops, Trello, Redmine, Notion, Coda