**Hassan Aslam**

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Nationality: British

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**PROFILE**

AWS Cloud/DevOps engineer with years of hands-on experience in architecting/automating and optimizing mission critical deployments over large AWS cloud infrastructure. Proficient with configuration management tools, and in developing CI/CD pipelines.

● Responsible for designing, provision, implement automated pipeline using cloud

technologies.

● Setting up the security monitoring solution in AWS using AWS CDK and setting up

Guard duty on AWS accounts.

● Previous application support experience and fixing the bugs in the application in.

a quick turnaround time using Python/Java technologies microservices.

● Provision infrastructure using Terraform, CloudFormation scripting in AWS ecosystem and

other services like EC2, S3, load balancer, autoscaling, network peering, security group,

VPC creation, route 53, subnet, internet gateway etc.

● Design and implement Continuous Integration deployment Pipeline using Git, Nexus,

, Jenkins DSL pipeline, Docker and chocolatey.

● Experience in implementing AWS container orchestration tools like ECS and EKS

**TECHNICAL SKILLS**

* **Scripting –** Python, YAML, JSON, PowerShell, Bash, Groovy DSL, Java
* **Tools** – Git, Jenkins, Jira, Maven, Docker, Kubernetes, Packer, Ansible, Terraform
* **AWS Services -** EC2, S3, Route53, ELB, ECS, EKS, OpenShift, CloudFront, CloudFormation, VPC, AWS CLI, Lambda, CloudWatch, IAM, RDS, DynamoDB, AWS Transfer family, Autoscaling, CodePipeline
* **IDE-** VS-Code, PyCharm, IntelliJ, Eclipse
* **Methodology -** Agile, Scrum, TDD, BDD
* **OS –** Mac OS, RedHat and Ubuntu
* **Web servers** – Apache, Tomcat, Nginx
* **Databases** – MySQL, PostgreSQL, MongoDB
* **SCM-** Github, Gitlab, CodeCommit

**WORK EXPERINCE**

**March 2018–Present Virgin Media UK**

**AWS DevOps/Cloud Engineer**

* Engage with Software engineering in the design and development of CICD process and tools to reliably manage application delivery
* Providing cloud services to centralize and scale services for diagnostics and automation
* Automated the deployment of cloud servers using Terraform.
* Work closely with developers to build their development pipeline and deploy code to various environments.
* Providing container services using AWS ECS and EKS
* Participate in deploying, automating, maintaining, and managing AWS cloud-based production system, to ensure the availability, performance, scalability, and security of productions systems.
* Proactively communicate and coordinate with multiple project teams
* Design and implement network as IAC i.e., VPC, subnet, NAT gateway configuration using CloudFormation
* Deployed applications using Kubernetes
* Automating the Docker stub deployment using on ECS using Jenkins as CI tool
* Designing and implementing the Jenkins Pipeline in groovy
* Using CloudFormation to provision of the Lambda, API gateway, CloudFront in AWS.
* Used Ansible to provision the inhouse tools on the EC2 instance
* Used Packer to standardize the tools images for Jenkins, Nexus & Sonar
* Setup GitHub and Nexus repositories and orchestrate in Pipelines

**Sept 2017–Feb 2018 Liberty Global**

**Cloud Engineer**

* Built S3 buckets and managed policies for S3 buckets and used S3 bucket and Glacier for storage and backup on AWS .
* Built a VPC , established the site-to- site VPN connection between Data center and AWS .
* Help with the creation of dev standards for ansible playbooks development including best practices for version control (git).
* Performed troubleshooting and monitoring of the Linux server on AWS using Zabbix , Nagios and Splunk .
* Services AWS CLI , EC2 , VPC , S3 , ELB Glacier, Route 53 , CloudTrail , IAM , and Trusted Advisor services.
* Created automated pipelines in AWS  CodePipeline  to deploy Docker containers in AWS ECS using services like CloudFormation , CodeBuild , CodeDeploy , S3 and puppet .
* Worked on JIRA for defect/issues logging & tracking and documented all my work using CONFLUENCE .
* Integrated services like GitHub , AWS  CodePipeline , Jenkins and AWS Elastic Beanstalk to create a deployment pipeline.

**Aug 2013–July 2017 S&R Consultancy**

**Developer**

* Worked on Python libraries, such as NumPy, Pandas etc
* Worked on web frameworks such as Django, Flask, Pyramid and restful APIsand good understanding of Front End technologies, such as Angular, React, Typescript, JavaScript, HTML5, and CSS
* Used databases such as PostgreSQL, MongoDB and deployed applications in multiple platforms including Linux/Ubuntu.
* Developed web application back end components and communicated with clients to identify their needs and goals.
* Worked on the improvement of data protection and security and created new user information solutions.
* Maintained large databases, configured serves, and collaborated with colleagues on the reduction of software maintenance expenses.
* Developed quality assurance procedures to minimize coding errors.
* Maintained advanced security measures to protect user assets, safeguarding integrity of confidential data.
* Worked closely with all product development departments to create and maintain marketing materials for sales presentations and client meetings.

**QUALIFICATIONS**

**Academic Qualification:**

* MSc Data Communication Systems – Brunel University, UK
* BSc(Hons) Computer Science – Punjab University, PK

**REFEREES**

References will be provided on request.