

ROSH BEED

Cloud Consultant with a proven track record in customer-facing roles and delivering enterprise-grade solutions

- Comprehensive technical expertise in AWS, GCP, and Azure
- A focus on architecting and developing scalable, distributed systems
- In-depth knowledge of PaaS, SaaS, IaaS, public cloud, and industry concepts, backed by over 30 cloud certifications
- Exceptional communication, project management, and customer service skills
- Experience engaging stakeholders at all levels
- Active in the local tech community, participating in Cloud and DevOps meetups, and mentoring in a Women in Tech program
- Dedicated to promoting growth and knowledge-sharing among peers
- Holds SC Security Clearance

As a passionate technology advocate, I am driven to explore new concepts and bring innovative ideas to my projects. With years of experience in designing and implementing scalable, cloud-native solutions, I have worked with a diverse range of clients, from startups to established companies. This experience has allowed me to consistently refine my personal, professional, and technical abilities, positioning me as a valued resource in the rapidly evolving world of cloud computing.

AREAS OF EXPERTISE

- Linux: Ubuntu, CentOS, Arch Linux, Gentoo, Shell scripting & CLI usage, Config Management, System Administration
- Network: Service Mesh, Service Discovery, Load Balancing, Traffic Management, Software-defined Networking, DNS, VPNs
- Security: Authentication (AuthN), Authorization (AuthZ), Role-Based Access Control (RBAC), IAM, OS Hardening
- Databases: Migration, Cloning, Disaster Recovery, Replication & Restore
- Programming: Python, Java, Haskell
- Cloud: AWS, GCP, Azure, Cloud Migration, IaaS, PaaS, SaaS

- DevOps Tools: Terraform, Ansible, GitLab, Jenkins, CodePipeline, Chef, Puppet
- Containers: Kubernetes, EKS, GKE, Nomad, Docker
- Data Tools: Kinesis, S3, RDS, FSx, DynamoDB, Oracle, NetApp, BigQuery
- Misc: Lambda, API Gateway, Route53, EC2, ELB, CloudFront, Auto Scaling, Pricing (TCO, CapEx/OpEx), Cost/Effort

CERTIFICATIONS

AWS	Google Cloud	Azure
AWS re/Start Graduate	G Suite	Fundamentals Microsoft Azure
Cloud Practitioner	Associate Cloud Engineer	Associate Azure Administrator
Associate Solutions Architect	Professional Cloud Architect	
Associate Developer	Professional Data Engineer	Kubernetes
Associate SysOps Administrator	Professional Security Engineer	KCNA
Professional DevOps Engineer	Professional Network Engineer	CKAD
Professional Solutions Architect	Professional Collaboration Engineer	CKA
Specialty Security	Professional DevOps Engineer	CKS
Specialty Machine Learning		
Specialty Alexa Skill Builder	AWS Partner Accreditations	Hashicorp
Specialty Big Data	Cloud Economics Accreditation	Associate Terraform
Specialty Data Analytics	Accreditation (Technical)	Associate Vault
Specialty Database	Accreditation (Business)	Associate Consul

EXPERIENCE

Cloud Consultant, [HeleCloud \(now SoftwareOne\)](#)

04/2022 - Present

- Architected, developed, and operated secure, compliant, resilient, cost-efficient, and high-performing solutions in Cloud and on-premises environments for customers and partners
 - Conducted more than 10 Well-Architected Framework (WAF) reviews, automating remediation actions and leveraging the Well-Architected API to reduce review duration by 50%
 - Developed cloud-native tooling and CI/CD deployment processes to enable customers to automatically deploy applications while adhering to security and governance processes
 - Implemented a comprehensive security monitoring system that aggregates findings from multiple AWS accounts and Regions to provide a unified view of security data
 - Deployed a weekly summary email solution that leverages Security Hub custom insights, AWS Lambda, and Amazon SNS to provide administrators with an easily digestible overview of security findings
 - Configured Microsoft Teams real-time alerts to deliver critical security notifications of key accounts within seconds of an issue being identified
 - Delivered a solution for zero-downtime Terraform and AWS provider version upgrades, and conducted workshops to educate customers on best practices for Terraform
 - Delivered technical presentations and demonstrations at customer events, conducted pre-sales discovery sessions and gap analysis workshops, estimated project costs, and ran cloud-native training sessions
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Senior Consulting Engineer, [Automation Logic \(now Version 1\)](#)

05/2021 - 04/2022

- Productised a solution to deploy production-grade Kubernetes clusters to secure air-gapped environments. Automated the deployment of a secure Kubernetes cluster in 10 minutes, with pre-packaged dependencies. Deployed simulated air-gapped development environments with AWS VPCs. Authored comprehensive design documents and architecture diagrams.
 - Designed and implemented a survey tool on GCP to gather feedback from consultants. Architected a Disaster Recovery plan, which included daily Big Query data backup. Collaborated with cross-functional teams for the Innovation Lab. Designed visualisation dashboards and conducted usability testing to improve user experience.
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Consultant, [PA Consulting](#)

12/2019 - 05/2021

- Promoted and encouraged the adoption of AWS and cloud technologies within PA Consulting
 - Architected a three-tier cloud-native content management system on AWS, including the development of a portal that enabled researchers to access over 440 health datasets for COVID-19 research and the delivery of educational workshops and architecture reviews to stakeholders.
 - Utilised the furlough period for personal growth and professional up-skilling. Earned 27 cloud certifications across various platforms in this duration and mentored junior members under the Women in Tech program.
 - Designed a cloud-native solution to modernise customer's gene therapy manufacturing operations, reducing costs by 80% through the migration of legacy applications to the cloud.
 - Efficiently supported a complex public sector cloud transformation project with no disruption to operations, leading to substantial savings.
 - Regularly built CI/CD pipelines and infrastructures as code using Terraform
 - Created, developed, and presented technical workshops and training sessions for internal teams and clients, educating them on cloud technologies and best practices.
 - Contributed to PA's achievement of AWS Premier Partner status through customer engagements and certifications.
 - Demonstrated the capabilities of the cloud solutions through live tech demos and POCs, achieving buy-in from multiple stakeholders.
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Consultant, [Zaizi](#)

08/2017 - 02/2018

- Configured, tested, and deployed updates to services for UK public sector clients on AWS, developing dashboards to extend observability and monitoring of hundreds of services and created a secure multi-user secrets management system for encryption-at-rest and in-transit.
 - Built a cloud-based electronic documents and records management (EDRM) platform for the Department for Business, Energy and Industrial Strategy (BEIS), launching an Alfresco Enterprise Content Management System used by 3,600 government staff.
 - Implemented a geo-replicated GlusterFS storage system with 4.6TB of data across 70 shared drives, replacing an older facility and enabling 3,600 staff to work flexibly and collaborate securely to deliver value to the UK economy.
 - Critically reviewed and improved processes for the Department of Education, optimising the manual data replication from 2 days to just 2 hours, saving costs by 100k/year. Introduced automation and CI/CD, reducing deployment times from hours to minutes, substantially increasing the department's operational efficiency.
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Lead Software Engineer, [GoSweat \(now Heka\)](#)

05/2017 - 08/2017

- Led a dynamic team of 5 software engineers on the development of a marketplace application.
 - Spearheaded the development of 3 Java-based micro services and a website with an AngularJS consumption layer.
 - Successfully migrated legacy services from Digital Ocean Droplets to Google App Engine by developing an effective migration strategy.
 - Streamlined the deployment process, reducing time from 6 hours to 10 minutes by implementing CI/CD using Bitbucket Pipelines.
 - Provided technical demonstrations on Git and Docker, as well as produced customer-facing content to support the launch of the marketplace application.
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Software Developer, [East City Films - VR City](#)

02/2017 - 04/2017

- Created a VR 360° video player web application using A-Frame web framework, HTML5, and JavaScript.
 - Implemented a range of features, including 3D in-headset menu navigation.
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EDUCATION

AWS re/Start - Trainee Cloud Engineer, [Amazon Web Services \(AWS\)](#)

07/2019 - 10/2019

I have always been captivated by the potential of technology to make a positive impact on society, which is why I decided to pursue a career in the tech industry. I was particularly drawn to the cloud, with its rapidly growing field and immense potential, so I applied to the AWS re/Start program to transition into this exciting field. The program was full-time, classroom-based, and provided me with the opportunity to learn from industry experts and make connections with potential employers.

The AWS re/Start program exceeded my expectations. Through practical, scenario-based learning and labs, I gained the technical and soft skills necessary for a career in the cloud. I even managed to deploy the serverless website [www.roshbeed.com](#) with a build time of 30 seconds using Lambda, DynamoDB, API Gateway, CodeBuild, CodeCommit, and S3.

After graduating from the program, I continued to seek mentorship from an experienced AWS Solutions Architect. I also had the privilege of contributing to the AWS re/Start program by sharing my experiences as a guest speaker, advocating for the program, and coaching and mentoring new students. This experience has been instrumental in launching my career in the cloud and I am grateful for the opportunities it has provided.

Computer Science - BSc, *University of Plymouth*

09/2013 - 07/2016

I chose to study Computer Science at the University of Plymouth because I was always fascinated by computers and had a strong interest in Maths and Science. I was particularly drawn to the problem-solving aspect of the course.

My favourite modules were quantum computing and artificial intelligence. I found quantum computing particularly interesting because it is such a new and rapidly developing field. Additionally, the artificial intelligence module sparked many interesting discussions, especially around the ethical implications of AI.

My dissertation provided me with the opportunity to conduct my own research on reducing motion sickness in VR, a topic I was particularly passionate about. Although the course was demanding, it was also incredibly rewarding. I enjoyed the challenge of tackling complex topics and emerging from the program with a deeper understanding of computer science.

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