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ROSH BEED

I am a life-long learner. I experiment with new learning methods to discover more effective ways to learn. I have a deep passion for understanding how things work and curious about new ideas and technology. I create innovative yet simple solutions to complex problems and support customers throughout their journey into the cloud. I am a driven, self-starter, confident in communicating with technical and business leaders from startups to global brands.

EXPERIENCE

DevOps Consultant, *PA Consulting*   *12/2019 - Present*

Using the power of ingenuity to build a positive human future in a technology-driven world with a global network of FTSE 100 and Fortune 500 clients.

- Deployed a three-tier CMS to AWS using Terraform with CodePipeline for CI/CD. I created the continuous deployment pipeline, which allowed us to provision infrastructure by pushing files to CodeCommit.
- Because of Covid-19, there was a lack of project work. I used the extra time to my advantage: I spent off-the-clock time self-learning and studying for cloud certifications (12xAWS, 8xGCP, 2xAzure, 2xCKA*, 2xHashiCorp) and sharing what I learnt with the rest of the company.
- Created a new internal training scheme to teach AWS skills to PA people and help them pass AWS certifications.
- Advocated the use of AWS and found participants for an internal AWS GameDay. A simulated day of deploying services and responding to cyber-attacks.

DevOps Engineer, *Zaizi*   *08/2017 - 02/2018*

Increased performance of services with cloud technologies. Configured, tested and deployed updates to services for the UK public sector.

- Reduced the time of a weekly manual task of copying data from a CSV into a GUI from 2 days to 2 hours with a python script.
- Created a simple-yet-secure multi-user secrets management system using GPG for encryption-at-rest and Git over SSH for encryption-in-transit. Used CodeCommit to synchronise passwords between users.
- Reduced the speed of Alfresco deployments from hours to minutes by creating a golden AMI using Ansible.
- Developed a dashboard to monitor the company's services using CloudWatch.

Software Engineer, *GoSweat*   *05/2017 - 08/2017*

Joined the early stages of a startup to develop a marketplace application to find local sports facilities.

- Created microservices in Java and website to consume them with AngularJS.
- Migrated old services from Digital Ocean to GCP.
- Set up Continuous Deployment with Bitbucket Pipelines to Google App Engine.
- Presented demos on Git and Docker; how to use them efficiently to increase productivity.
- Built trust with C-level executives and discussed strategies for long-term results.
- Acted as Tech Lead during handover and led a team of 5 to create a knowledge-sharing platform for customers. I developed people into a high performing team.

Software Developer, *VR City*   *02/2017 - 04/2017*

I experimented with creating new interactive VR experiences as the only developer at a small VR and 360° video production startup company.

- Created a VR 360° video player web application using A-Frame web framework, HTML5 and JavaScript. Implemented a feature allowing customers to navigate videos without taking off the headset through an interactive 3D menu.
- Recommended the best value computer specifications for machines used to edit videos based on their specific workload.

EDUCATION

AWS re/Start, *Amazon Web Services*   *07/2019 - 10/2019*

A full-time, classroom-based skills development and training program that prepares individuals for careers in the cloud and connects them to potential employers.

- Deployed a serverless website (www.roshbeed.com). I used CloudFront, Route 53 and S3 to serve the static assets. I created a microservice using Lambda, DynamoDB and API Gateway to allow users to post and view comments. I used CodePipeline to build the static Jekyll site by processing files from CodeCommit and producing artefacts in S3. I reduced the build time from 3 minutes to 30 seconds with a custom build environment with pre-packaged dependencies.
- Technical skills: AWS, Linux, Networking (DNS, IPsec, BGP, VPN, Load Balancing), Security (IAM), Databases (Relational/NoSQL), Programming (Python)
- Cloud Concepts: Economics (TCO, CapEx/OpEx), Infrastructure as Code (CloudFormation, Terraform), Configuration Management (OpsWorks, Ansible), Serverless, Well-Architected
- Behavioural skills: Communication, Teamwork, Time Management, Future Orientation

Team Programme, *The Prince's Trust*   *01/2017 - 05/2017*

A full-time, classroom-based skills development and training program to help vulnerable young people get their lives on track.

- Volunteered to paint Saint Matthew's Church in London, which involved fundraising for painting equipment.
- Hosted the final presentation to show what we accomplished to friends, family and community members.
- Developed a WebVR application during a work placement at a VR video production company.

Computer Science BSc, *University of Plymouth*   *09/2013 - 07/2016*