Arun Kumar Dase
DevSecOps Lead Architect
Email: arunkumardase@gmail.com
Mob India: +919742759250
Mob Dubai: +971562962005

Carrier and Knowledge Summary

- Working as DevSecOps Lead in Mena Energy DMCC (Intelligentb), Dubai to create, manage, secure and automate the complete cloud Infrastructure of 4 products/projects like CAFU app, Gourban, MenaGo, MenaDX etc. single handedly
- More than 10 years of experience in Cloud/System/Database Operations, Cloud/Infra/App Solutions Architecture, Devops, DevSecOps, Automation, Cloud Security, Vulnerability Assessment, Penetration testing, AWS, GCP, Alibaba Cloud, full stack management (Infra), CICD setup and management, monitoring & alerts setup of applications, log management, serverless resources, microservices, APIs management and various other Devops technologies.
- Experience in working as an independent contributor as well as a part of small or medium large teams in **product based Organisations** like **Mena Energy DMCC Dubai, Tricon Infotech, BigBasket, SAP Labs, Rean Cloud**,Microland Ltd. etc.
- Have worked with clients like **Taylor & Francis**(UK based Academic publisher and conference Company**), Kohls** (one of the largest retail chain in US**), GE, Pinebridge Investments, Waste Management USA, Ford Autonomous driving, LetsOrganic** etc
- Experience to Architect and host and deploy an Elixir, Erlang, Java, Nodejs, Angularjs, Python, django, php, Magento, Ecommerce and many other applications to cloud from scratch
- Experience to host any application with docker containers using container orchestration tools like Elastic Container Service (ECS), Elastic Kubernetes Service (EKS), Kubernetes, Docker swarm, Docker compose etc from initial architecture planning till production, release and automated deployments.
- Worked as a DevSecOps Lead for within Tricon Infotech Pvt. Ltd.(since Dec-17) using technologies like Google Cloud (GCP), packer, vault, AWS etc
- Worked on AWS full stack to manage the complete Infrastructure of BigBasket (India's largest online grocery store) as a Sr. Devops Engineer.
- Worked as a Sr. cloud automation Engineer in SAP Labs to automate the deployments in their 20 data centres in cloud as well as VMware Esxi environments
- Worked as a Unix Systems Administrator- Cloud Operations in Microland Ltd for Companies like GE, Prinbridge, Waste Management etc.
- Worked as an Intern and later as Database & Systems Administrator for various companies undertaking multiple freelance contracts..
- Designed the end to end build, release and deployment automation of BigBasket using Jenkins & shell scripting.
- Worked to create architecture and design the cloud Infrastructure and automatically deploy Elixir Application using Phoenix framework & Cowboy web server using AWS ECS/EKS, ECR & docker build images.
- Worked as AWS Cloud Architect to design the complete Infrastructure architecture of the Application whether it is microservices based, API driven or event driven.
- Deployed many microservices and APIs using AWS API Gateway or Elastic Beanstalk or Amazon ECS (Elastic Container Service) or AWS EKS (Elastic Kubernetes Service)
- Worked to reduce cost of complete AWS Infrastructure by using spotinst console, autoscaling, trusted advisor, auto tagging & deletion of AWS resources, scripting automation etc.
- Worked with Ubuntu, Centos, Amazon Linux, Oracle Linux,RHEL, Suse Enterprise Linux etc with process managers like supervisor & Gunicorn Django framework for python based application using RDS mysql database.
- Worked to set up, configure & manage other applications clusters like Aerospike, Elasticsearch, GFS, NFS, Solr-cloud, Solr, ELK stack, Kafka including setup & configuration of Nginx & Apache web servers etc.
- Worked on setting up monitoring tools like New Relic, Nagios, AppSignal, Cloudwatch, Datadog, Sensu etc. for various resources and applications.
- Worked on almost all legacy AWS services (EC2,VPC,Route53, elastic search, S3,EBS,EFS,ECS, Glacier),IAM, trusted advisor, cloudwatch, cloudtrail, Amazon RDS, Amazon SNS,SQS,SES Amazon Cloudwatch etc) with automation using cloud formation, AWS CLI & Terraform.
- Worked extensively with configuration management tools like opscode Chef (Solo & Server), Ansible, Puppet, CICD tools like Rundeck, Jenkins, Bamboo, Circle CI, Travis CI etc, scripting languages like Ruby, Python, Shell, Infrastructure as Code tools like Terraform, Cloud Formation, AWS CDK.
- Experience in working in Agile environment & with versioning code repos like Git (Gitlab & Github), SVN and BitBucket .
- Experience with Oracle 10g,11g R1 & R2 installation, administration, upgradation(10g-11g) user management, Oracle 10g RAC, database cloning by using COLD, HOT and RMAN backups, database backup and recovery as a DBA .

Training and Certifications

1. AWS Certified Cloud Security Specialist
2. AWS certified DevOps Engineer Professional
3. AWS certified SysOps Associate
4. AWS certified Solutions Architect Professional
5. AWS certified Solutions Architect Associate
6. Trained to certify Chef fundamentals/Intermediate
7. Certified in Oracle Database 11g: SQL Fundamentals
8. Certified in Oracle Database 11g: Programming with PL/SQL
9. Certified in Oracle Database 11g: Administration 1

Skills Table

Public/Private Cloud	Amazon Web Services (AWS)- All Legacy Services, Google Cloud Platform (GCP), Alibaba Cloud, Microsoft Azure, SAP Monsoon Cloud, VMWare ESXi virtualized Data Centre hosts
CI/CD Tools & Agile	Rundeck, Jenkins, Bamboo, Circle CI, Travis CI, Gitrunner, AWS CodeDeploy, AWS Auromations .
Databases	Mysql, Mongo DB, PostGreSQL, Aurora DB, Redis, AWS Dynamo DB, Oracle Database 10g & 11g, Oracle RAC-10g, Oracle Applications 11i R12 DB, Maria DB etc.
Configuration Management	Chef, Puppet and Ansible
Containerisation and Orchestration	Docker, Docker Swarm,Docker Compose,AWS EC2 container management Service (ECS), Elastic Kubernetes Service (EKS), Kubernetes, ELastic Beanstalk, Openshift basics
Infrastructure as a Code	Jenkins,Rundeck, AWS CLI, AWS Cloudformation, AWS CDK, Terraform
Web Servers/Proxy Servers	Nginx, Apache, HAProxy, Varnish
Operating Systems	Linux distros like RHEL, Ubuntu, OEL, SLES, Fedora, Debian, SUSE linux etc
Monitoring Tools	New Relic, Nagios, Datadog, Pingdom, AppDynamics, Sensu, Appsignal, PagerDuty, Prometheus
Languages	Ruby, Shell Scripting, Python, SQL, Pl/SQL, Terraform,Chef cookbooks, NRQL, AWS CDK
Applications & Frameworks	Java, Elixir, Erlang, Phoenix framework, Nodejs, Angularjs, Vuejs, Php, Magento, Ecommerce etc

Professional Strengths

- Good presentation and communication skills to even Interact directly with the internal & external clients.
- An excellent team player and able to work independently at the same time.
- Ability to perfectly Architect cloud solutions including Network Architecture and Security
- Troubleshoot and fix any issues related to Application, SDLC, Network, SQL & NoSQL Databases, Systems etc

Professional Experience

5. Mena Energy DMCC (menaenergy.com) (Nov18 - present) is an independent multi billion dollar oil trading & shipping company based in Dubai, United Arab Emirates.The Company is building tech startups under **Intelligentb** with strong growth potential in the Middle East and beyond. The products already in the market include CAFU application for app based petrol delivery, MenGo app for diesel live trading in bulk with enterprises & MenaDX app for trading in various other petroleum products with businesses, GoUrban App & website for real state and property selling, renting and buying.
Responsibilities:
- I work here as a Devops Lead to manage and create the complete cloud Infrastructure of all the products of the Organisation.
- I've architected and designed the complete security and network for the organisation in AWS cloud
- The Infrastructure Architecture creation and formulation of the backend APIs and microservices
- The maintenance of the docker build repository and deployment using Circle CI & AWS ECS
- The creation of complete CI/CD using github integration with Circle CI
- Certificate setup to terminate SSL on Application Load Balancer for TLS handshake along with Cloudflare WAF/CDN setup

- Working to fulfill the complete Infrastructure requirement of an Elixir/Erlang application using phoenix framework, cowboy webserver, Erlang docker images and AWS ECS cluster
- New Relic monitoring setup and creation of customised dashboards to monitor all the APIs

5. Tricon Infotech Pvt. Ltd (www.triconinfotech.com) (Jan18 - Dec18) is an IT Consulting and software services company headquartered in Bangalore, India with offices in the USA and Middle East. They deliver consistent, innovative, and agile digital experiences to businesses with presence in three continents and have served over 400+ clients over the past two decades.

Responsibilities:
- I worked here as a DeSecOps Technical Lead to manage & lead the cloud Infrastructure teams
- I Architected & planned to deliver the major cloud Infrastructure activities.
- Got chance to work & Architect 4 major cloud platform projects of Tricon like Kohls (US retailer), Manipal IT , medium (Tricon product) & currently in Taylor & Francis.
- Lead devops team of 24 members for Kohls project & currently leading Devops & Infra team of Taylor and Francis with 7 to 8 members.
- Implemented session based rate limiting solution using AWS lambda@edge on Cloudfront CDN
- Worked in new technology stack like GCP, Tonomi, packer, vault, consul, Terraform etc.

4. BigBasket or Supermarket Groceries Supplies Pvt. Ltd, (Bigbasket.com) (Jan17-Dec17) is India's largest online grocery supermarket with presence in most of the tier-1 & tier-2 cities including the metro cities in India.It has a turnover of 1400 crore and has raised $150 million for further expansion.

Responsibilities:
- I work here as a Sr. Devops Engineer to manage the full stack of the website that is in AWS.
- I work in collaboration with the Dev and the QA teams to manage and maintain the complete Infrastructure of the organization using shell scripting & Jenkins to automate day to day Infrastructural operations or administrative tasks.
- We migrated the whole infrastructure of Bigbasket from Singapore region to Mumbai region with minimal downtime.
- I was responsible for all the manual and automated deployments that went to production and setting up any new app or maintaining already used applications like solr,aerospike,new relic etc.
- We configured the Docker environment for our microservices using EC2 container management service.
- Akamai Site Shield setup for various internal domains of bigbasket on CDN.
- Setup and management of the jenkins server for dev/QA automation and separate Jenkins server for production build & deployment automation. Was also responsible for migrating all the jobs in QA Jenkins server from 1.6 to 2.7 version, including user management and plugins.
- Day to day tasks involved various tasks including troubleshooting and fixing issues in production & other environments

3. SAP LABS (www.successfactors.com). (Nov15-Jan17) - SAP is the world leader in enterprise applications in terms of software and software-related service revenue. It acquired Successfactors which is one of the largest cloud HCM providers in the world. It has been marked 2nd in India's best places to work with. I worked here under the payroll of REAN cloud. REAN Cloud is a US based AWS Premier Consulting Partner and a Managed Service Provider, with deep experience in supporting enterprise IT infrastructures and applications in Hybrid environments. Rean Cloud acquired Opex Software, an Opscode Chef Partner

Responsibilities:

- I work as a Sr. cloud automation Engineer (dev-ops) with Chef & ruby in monsoon cloud (SAP's internal cloud that uses AWS api & UI).
- Working under a project (called Bizx) automation lead to support & manage complete automation of the product & its backend & frontend applications.
- To learn the manual deployment, installation or configuration process, write a cookbook for the same. Then to create a role & a job for the same to be triggered by the Implementation & the RE teams in QA.
- If verified to create a scheduled job in rundeck for the same.
- Writing cookbooks compliant to all DCs, projects, server types & even for non cloud platforms.
- Maintained configs in gitblit & cookbooks & its versions in github.

2. Microland Limited (www.microland.com) (Dec12-Nov15) is an IT infrastructure services provider which offers services within infrastructure management, end user services, cloud computing, virtualization, collaboration and mobility. Microland is headquartered in Bangalore, India and has offices in several locations in India, North America and Europe.

Responsibilities:
As a Database and Systems Support Engineer:
- Management of various databases at L1-L3 level.
- Troubleshooting and support to various DBs & VMs of clients of at least 10 countries and fixing related issues.
- Connectivity between databases and Operating Systems management.

As a Administrator (Cloud Operations and Architecting Solutions):
- Administration of the initial resolution team for the entire GE commercial cloud.
- Bastion host management linked to the VM.
- Managing lots of VMs initially based on Nagios alerts.
- Working with Chef Cookbooks and recipes.
- Managing Security groups, NACLs & Routing Tables
- Creating an Orchestration environment using Scalar.
- Creation of new VMs & writing basic shell scripts..

1. Freelancing with Multiple Companies(June09-Dec12): Started as an Intern, worked with multiple software development & Outsourcing Companies located in Hyderabad, Bangalore & Indore. Primarily on Database, Storage, Networking & Systems Management for clients & vendors.

Responsibilities:
- Installation of Oracle 10g/11g R1/R2 in Windows and Linux platforms and creation of new databases along with creation of tablespaces, tables, indexes, users, etc..
- Maintaining and administration of Linux systems for clients and the organisation.
- Creating and assigning appropriate roles and privileges to users depending on the user activity.
- Creating SQL/RMAN or Linux shell scripts to perform various tasks such as scheduled Incremental backups.
- Sizing database objects for effective space management and optimal performance.
- Database backups and recovery. Used hot and cold backups.
- Real Application Cluster (RAC) preparation, configuration and installation of Clusterware.

Education & Trainings

- Bachelor of Engineering in Electronics & Communication from Indore Institute of Science & Technology, Indore (M.P. State),India under Rajiv Gandhi Technical University (RGTU)
- 12th from CBSE board, Delhi Public School (DPS) , Korba, CG
- 10th from CBSE board, Delhi Public School (DPS) Korba, CG

Guest Lectures,Conferences and Workshops

- 10+ in guest lectures in various Indian Universities and Corporate houses.
- 10+ domestic conferences attended as speaker in companies including Birla Soft, Intuit, L&T infotech, Happiest Minds, Altisource etc.
- More than 20 workshops undertaken for students of various Institutes & Universities.

Personal Details:

Current Address	Dubai Marina, UAE
Permanent Address	Flat no- 218, Sri Sai Icon,, Gear School Road, Bangalore – 560103
Email IDs	arunkumardase@gmail.com
Linkedin Profile	https://www.linkedin.com/in/arun-kumar-dase-8909ba21/

Declaration:

I hereby declare that the information given above are true to the best of my Knowledge & belief.

Date:
Place: (Arun Kumar Dase)