**HIMAANSHU GHILDIYAL**

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## Cloud Engineering | DevOps | AWS CSA Professional | CKA | RHCE(Ansible) |DCA

* Experienced Cloud/DevOps Engineer possessing in-depth experience of managing cloud/big data/databases/Linux technology & effectively handling configuration & deployment of infrastructure & services.
* Robust experience in implementing core DevOps concepts such as containerization, automation, virtualization, version control, cloud computing, database management & administration, Linux administration, load balancing, etc. by using a wide variety of technologies while working with multiple DBMS, Operating Systems & programming languages.
* Proficient in AWS services like VPC, EC2, S3, ELB, Autoscaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Experience with Linux systems architecture within web and enterprise environments.
* Team leader with strong project management skills, proven track record and the ability to complete multiple, simultaneous, time-critical projects for key customer accounts.
* Excellent communication skills to coordinate with different teams and individuals with a strong sense of team-oriented problem-solving techniques.

**CORE COMPETENCIES**

* Architecture Builds
* Technology Governance
* Cloud Strategy & Planning
* Application Management
* IT Infrastructure Implementations
* Project Management
* Virtualization
* Storage
* IT Infrastructure Design
* Amazon Web Services (AWS)
* Cloud Storage
* DevOps
* Hadoop/Big Data
* Infrastructure Security
* Team Management

**CAREER HIGHLIGHTS**

* 5 years onsite Malaysia experience as L4 Architect/Lead spearheading technical teams of Big Data/Cloud/System engineers
* Awarded by the management for delivering value to DXC customers for data centre migration project for Big Data platforms by Vice President DXC
* Cross trained various functional and system administrators to ramp up on Big Data/DevOps/AWS technologies
* Lead mid to large sized teams, (10-50) of system administrators/DBA’s/Big Data/Cloud/DevOps
* Architected the Enterprise Architecture of Big Data to AWS managed Big Data Development/ITG clusters resulting in hardware savings worth 500K from approximate 1 million dollars.
* Collaborated Asia Pacific PMI chapter with HP Malaysia to impart PMP training to HP’s Project managers as voluntary PMI member for Asia Pacific.
* Grew from Software Engineer to Architect on Cloud/DevOps/Big Data technologies.

**WORK HISTORY**

**Consultant | INDEPENDENT ASSIGNMENTS (DevOps/Cloud)**   **Mar 2019-Present**

**Architect/ Operations Leader | MINDTECK SOFTWARE, Malaysia**    **Feb 2014-Mar 2019**

**DBA/ Linux Admin | ZENSAR TECHNOLOGIES**  **Oct 2011-Jan 2014**

**Lead Consultant/ Associate Manager | GENPACT**   **Oct 2010-Oct 2011**

**Oracle DBA | ORACLE CORPORATION Jun 2006-Sep 2010**

**Oracle DBA | ACCENTURE**      **Dec 2004- Jun 2006**

**Oracle DBA | NEUROSOFT LIMITED**     **Aug 2003-Apr 2004**

**Developer/ Oracle DBA | MARG SOFTWARE**     **May 2002-Mar 2003**

**PROFESSIONAL EXPERIENCE**

**Consultant | INDEPENDENT ASSIGNMENTS (DevOps/Cloud)**    **Mar 2019-Present**

* Provide strategic consulting to start-ups for Cloud/ Containers/DevOps/Big Data strategy, platform selection, reference architecture, ROI modelling, enterprise data hub, real time analytics, visualization and migration of infrastructure/databases /applications from on-premises to cloud.
* Integrated CI/CD with Docker Swarm and K8s clusters
* Rolled out infrastructure templates with terraform/CloudFormation for UAT environments
* Created custom docker files as per dev team requirement for the private registry
* Kops install on pro/dev clusters with Prometheus using Helm
* Used Python scripts to automate various cloud services
* Created landing zones for new AWS accounts
* Migrated several homogenous/heterogeneous DBs to AWS
* Migrating monolithic apps to docker/K8 clusters
* Wrote playbooks for configuring cloud servers

**Infrastructure Architect/ Operations Leader | MINDTECK SOFTWARE, Malaysia Feb 2014-Mar 2019**

Mindteck is a global Information Technology company. Assigned to client GXC Technology Malaysia to manage New implementations and initiatives in Big Data to provide solutioning to global teams. Managed a team of Big Data platform/Vertica/Infrastructure admins and L4 issues

* Accountable for Technology evaluation, architecture & design, implementation, testing and technical reviews of highly scalable platforms, solutions and technology building blocks to address customer’s requirement.
* Assisted client in the evaluation and recommendation of all potential Big Data/Cloud Use Cases technologies/ solutions based on technical capability, functionality, cost vs benefit and risk criteria
* Worked with product management and engineering in ensuring project delivery success

Accountable for:

* Configuration and maintenance of HBase, Sqoop, Hive, Pig, Drill, Spark, Oozie, Flume, Storm and Zookeeper.
* Hosting of Big Data platform on Enterprise servers and AWS for application team support and data migrations.
* Management of RDS databases and EC2 instances on Big Data POC clusters.
* Administration/Upgrades of 40-60 node Hortonworks cluster for any bottlenecks.
* Hadoop stack installation and management of cluster issues.
* Loading from disparate data sets by using various Hadoop technologies, e.g. Sqoop, Flume, Spark (SQL), Kafka, etc.
* Writing efficient data pre-processing queries using Hive, Spark (Pig).
* Proposing and evaluating best practices/standards in the Hadoop eco-system.
* Testing data cube prototypes and overseeing handover to MIS team for Visualization and Reporting.
* Performance tuning of Hive queries, Pig, Falcon, Oozie and other eco-systems.
* Install/Maintain of Hortonworks 10-100 node clusters on private and public clouds.
* Install/Maintain of Mapr clusters 40-60 node cluster on enterprise server.
* POC for Migration of Production users from Mapr to Horton works platform.

**DBA/ Linux Admin | ZENSAR TECHNOLOGIES Oct 2011-Jan 2014**

*Zensar is a software and services company.* Ownership and responsibility for all IT Support Management Services issues for performance tuning, upgrades, cross platform migration projects along with hardware sizing.

* Provided implementation and operational support for Oracle Applications, TechStack while managed overall technical functions including Upgrades from 11.2.0.1 to 11.2.0.3, application from R12.0.4 to R12.1.3.
* Managed OEM Grid Installation, Data Guard Performance Tuning and Data Guard Broker Setups.

**Lead Consultant/ Associate Manager | GENPACT Oct 2010-Oct 2011**

*Genpact delivers digital transformation by putting digital and data to work to create competitive advantage.* Led projects from concept through completion through the project life cycle while meeting scope, schedule and resource targets while achieving timely releases of Oracle Applications.

* Responsible for planning installations, configurations, implementations, upgradations of Oracle Databases, Upgrades from 10.2.0.4 to 10.2.0.5, 10.2.0.5 to 11g and applications upgrade from 11.5.10.2 to 12.1.1 (R12), 12.1.3(R12)
* Minimized database downtime and manage parameters to provide fast query responses. Backup of the Database through BR tools (Full DB Backup and Archival).

**Oracle DBA | ORACLE CORPORATION Jun 2006-Sep 2010**

*Oracle sells database software and technology, cloud engineered systems, and enterprise software products.* Provided day-to-day support, monitoring, and proactive maintenance of enterprise database SQL Server databases including security, back-up, logging, reporting and recovery procedures

* Responsible for database installation, upgrades and configuration; query optimization and performance tuning; writing and maintaining SQL queries.
* Developed and maintained stored procedures and database triggers; backup, recovery, DR/BC management; developed application and database monitoring techniques; and planned and executed advanced database migrations.
* Interacted with compliance board toward implementation/execution of projects related with sensitive data and provided extensive advisory/technical support.

**EDUCATION & CERTIFICATIONS**

* **Post Graduate Diploma in Computer Applications** (PGDCA) | CDAC ACTS | 2001
* **B.E (Electrical/Electronics and Power)** |Swami Ramanand Teerth Marathwada University | 2000
* **Project Management Professional (PMP)**| Project Management Institute (PMI) | 2013
* **AWS Certified Solution Architect Professional**
* **AWS Certified Solution Architect Associate**
* **AWS Certified Sys Ops Associate**
* **Certified Kubernetes Administrator**
* **Certified Jenkins Engineer**
* **Red Hat Certified System Administrator**
* **Docker Certified Associate**
* **Terraform Certified Associate**
* **Red Hat Certified Engineer in Ansible**

**TECHNICAL SKILLS**

* **Operating System:** Solaris 8.0, HP-Unix, AIX 5.0, Linux
* **Database:** Oracle 8i, 9i, 10g, 11g, Sybase 12.5, SQL Server 2008
* **Cloud:** AWS EC2, VPC, RDS, CloudFormation, CloudTrail, CloudWatch, Route 53, IAM, EBS, ELB
* **Big Data Administration:** HBase, Storm, Sqoop, Hive, Pig, Drill, Spark, Oozie, Flume, Zookeeper, Hue Spark
* **ERP /Languages:** Applications 11i (11.5.9, 11.5.10.2), R12 (12.0.4, 12.1.1, 12.1.3), PeopleSoft 8.4.8, Python, PL/SQL
* **Scripting:** Bash, Perl
* **RDBMS Tools:** RMAN, Export, Import, Data pump, Tkprof, STATSPACK, AWR, ADDM, OEM (Enterprise Manager), SQL Profiler, SQL Analyser
* **Networking:** Routers, Switches, Firewall, LAN/WAN, VoIP and Exchange Servers