

Anjul Sahu

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Newsletter: [Cloud Native Weekly](#)

PROFILE

Hands-on experienced cloud native architect, and engineering leader with 14 years of experience in architecting and designing platforms, DevOps practice, and Cloud-native solutions for enterprises and fast growing startups. I have expertise in Kubernetes and container ecosystem, public clouds like AWS and GCP, Cloud-native technologies, DevOps, Infrastructure Automation, Databases and Performance Optimization. Apart from technical skills, I find interest in [mentoring](#), [sharing knowledge](#), participating in the organization building and [technical writing](#). I am curious, analytical, self-motivated and research oriented focused individual with good communication skills.

TECHNOLOGY SKILLS

System Engineering/Architecture: Technical architecture, solution architecture, high availability and scalability, distributed systems, enterprise softwares, security, SaaS platforms, and technical writing

Cloud-Native Technologies: Kubernetes (CKA Certified Nov 2021), Containers, Service Meshes, FaaS, Container Security, Logging and Monitoring, GitOps (ArgoCD), CNIs, cloud native storage, DR, backup and recovery solutions

Cloud Platforms: AWS, GCP (Certified Professional Architect 2022), Cloudflare

Programming languages: Golang, Python

Infrastructure Automation: Terraform, Vault, CRDs, Kubernetes Operators, Scripting

Databases: Oracle RAC, Partitioning, Indexing, Performance Tuning, SQL, PLSQL, Parallel data processing, VLDBs, Data Migration and Backups, MongoDB, TIBCO ActiveSpaces, Redis, YugabyteDB, PostgreSQL

Security: Cloud Security, Kubernetes Security, and Industry benchmarks such as CIS, NIST, and SOC2.

EXPERIENCE

Dec 2021 - Nov 2022: Principal Software Engineer, Platform Engineering, Lummo, Remote

- Led the team of platform engineers building [Lummo](#) - a fast growing series C funded startup in SEA.
- Responsible for building large scale cloud native infrastructure for [Donut](#), a chat commerce product.
- Cloud cost optimization, improved developer experience, internal platform tools, and improved security of the infrastructure.

July 2020 - Dec 2021: Solution Architect, InfraCloud Technologies, Remote

- Thought leadership in cloud-native ecosystem, manage and plan the content on company's blog. See [writings](#).
- DevOps assessments, technical solutions, and consulting focussing on cloud native technologies.
- Participating in pre-sales, marketing, recruitment, training and growth initiatives.
- [Mentoring](#) internal and external engineers.
- Worked on designing the [managed services offering](#)

Projects (Through InfraCloud)

Tavisca cxLoyalty, JP Morgan Chase - Technical Project Manager for the end-to-end encryption program for their NextGen platform on AWS Cloud, It includes Kubernetes platform, AWS services, DevOps Tooling and all databases. Managed a team of 7 DevOps engineers.

Taos - Principal Engineer at [Taos DevOps Now](#) platform, Led a team delivering DevOps as a service to the clients such as AI Foundation, Costco, and Plume. This include multi-cloud management, Infra-as-code, and implementing CI/CD practices.

Anuta Networks - Assisted in designing SaaS offering by consolidating EKS clusters using Rancher platform, implementing SOC2 compliance, improving security using OPA, Wazuh, AWS security services and techniques, designing multi-cluster observability platform using ELK and Prometheus.

Zebrium - Provided consulting on their AWS architecture and Infrastructure-as-code. Also, authored a blog featuring their product.

SunPower - Provided consulting to improve their serverless CI/CD in AWS to improve change tracking.

Kasten by Veeam - Kasten K10 Platform is a cloud native backup and recovery solution. - [Designed and created a solution to enable Oracle database data management using Kasten K10 platform.](#) This is an extension in Kasten allow you to do backup & recovery, disaster recovery in cloud-native environment. - [Designed the solution to provide cloud native backup and recovery of Kafka topics to s3 bucket using Kanister and Kasten K10 platform.](#) Feature is published [here](#) and [Github](#).

Aug 2008 - July 2020: Technology Architect Assoc Manager, Accenture

Dec 2019 - July 2020: **DevOps Engineer, Technical Architect at Transurban**, Melbourne

- Involved in the deployment automation of the AWS serverless stacks, Oracle fusion, weblogic & tomcat servers using shell, python, CDK.
- Managed and automated AWS Operations, participated in cost optimization drives and provided technical architecture to the AWS projects.
- Led the sprints as scrum master for the DevOps team, organized and orchestrated the agile ceremonies for the team.
- Support & management of in-house deployment tool - built with React.js, REST, Python, Active MQ, Tomcat, Shell Scripts and Oracle DB.
- Design & Automation of Data Reporting Integration from AWS Cloud to On-prem reporting system using AWS Glue.

Oct 2019 - Nov 2019: **Business Development (Internal)**, Melbourne

- Wrote a PoV for a large bank - To design an on-premise MongoDB as-a-service using on-premise spare PowerPC fleet and Redhat Openshift integrated with ServiceNow.

Aug 2019 - Sep 2019: **Solution Designer - CAST_Automation , NAB**, Melbourne

- NAB multi-cloud approach for majority of its 2400 applications required compliance in various domains.
- Defined controls for the compliance project related to Monitoring and logging using AWS, Splunk, OS Log Ingestion etc.
- Assisted Solution Architect and liased with various stakeholders in the bank to come up with a solution.
- Used Splunk REST APIs, AWS Lambda, SNS and SQS to built the solution.

Jul 2019 - Aug 2019: **Oracle DBA, Digital Access Foundation, NAB**, Melbourne

- Designed a custom solution to migrate ~10 TB of on-premise oracle database partitions to S3 glacier to reduce cost using shell and python scripts.
- Wrote jobs which utilizes S3 Select to retrieve data directly from the compressed archives using SQL interface, without any relational db.
- Defined Partitioning and Optimized physical schema of the database to avoid outage during data maintenance tasks and improve performance.
- Designed CI/CD pipeline to automate the overall process.

Feb 2018 - Jun 2019: **Architect Microservices Platform (Kubernetes in Private Cloud), DB2 Platform, Fulfilment System, Telstra**, Melbourne

- Designed, Built and Operated Highly Available Kubernetes platform on Oracle private cloud for hosting microservices.
- Experimented with various POCs of tools to form the right stack and configuration.
- Implemented DevOps practices and culture in the team.
- Achieved infrastructure automation using shell scripts, terraform and chef.
- Designed and Setup IBM DB2 database platform, Tivoli SAMP.
- Architected DR strategy for Kubernetes and DB2 Clusters.
- Implemented container and Kubernetes security best practices, hardened the clusters, containers and the OS using CIS benchmarks.
- Trained and upskilled team members on Docker, Kubernetes, CI/CD, DB2 Database.
- Optimized the Clusters for JVMs. Implemented mmonitoring using Splunk, Linkerd2 Service Mesh, Grafana Dashboards.
- Participated in various Kubernetes forums, Github Issues, Internal and external communities to resolve and improve the architecture.

Sep 2017 - Feb 2018: **Architect, Oracle SME, CC&B CRM, Telstra**, Melbourne

- Designed DR strategy for Oracle database for a mission critical VLDB database running CRM using Oracle Active Dataguard.
- Defined and Implemented best practices for the failover, automated through runbook & scripts for one touch operations.
- Participated in dress rehearsals, ORTs, and testing in live system.

Jul 2017 - Aug 2017: **Oracle Performance Tuning, NAB**, Melbourne

- Oracle Batch Job Performance Tuning on Oracle Exadata Machine.
- Advised client on Oracle best practices for running siebel on RAC/Exadata clusters.

Jul 2012 - Sep 2017: **Senior Oracle DBA, Performance Tuning SME, Telstra**, Melbourne

- Managed over 100 Production and 500+ non-production oracle databases running various types of workload, mission critical system for the telco with very high transaction rate. The account size was over 1000+ developers across India and Australia.
- Managed and resolved critical and high impact incidents and liased with Infrastructure vendors like IBM, Oracle, Enkitec.
- Performance Tuning SME - Managed and improved performance in the system at hardware, system architecture level.
- Automated various Ops jobs and written tools for personal and team's use.
- Contributed in open source projects like [hyee/dbcli](#), [Panorama](#), custom SQL Developer reporting on Oracle database performance management and tuning.
- Created capacity planning models using Splunk machine learning to predict capacity and performance incidents.
- Looked after operational automation, patching and upgrades of the systems, improvements in monitoring capabilities to reduce OPEX.

Aug 2008 - Jun 2012: **Oracle E-business Suite Admin, Oracle DBA, Telstra**, Chennai and Remote (2 yrs)

- Architected and Administered Oracle E-business System R12 & Lavastorm Analytics for implementing Oracle Incentive Compensation for Retailers.
- Deployment Automation and Support
- Managed over 400 Oracle databases, implemented automation using shell scripts, PHP, Oracle Apex.

EDUCATION

2004 - 2008: Shri Govindram Seksaria Institute of Technology and Science (SGSITS affiliated to RGPV, Bhopal), Indore - **Bachelor's of Engineering, Speciality: Information Technology** (Dist.)

2003: Senior Secondary School Certificate, CBSE, Central Academy, Kota

2001: Secondary School Certificate, CBSE, St. Pauls, Kota

CONFERENCES

- Distributed SQL Asia 2021 [Speaker]
- KubeCon EU and NA 2020
- Redhat Forum Melbourne 2019
- Container Camp AU 2018 (Volunteer)

PERSONAL

- Language: Hindi (native), English (proficient)
- Citizenship: Indian