**Sandeepkumar L. Chauhan**

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***Objective***

Seeking a position to utilize my skills and abilities in an organization where I can put my abilities to the best that helps the growth of the organization and myself as a professional.

***Executive Synopsis***

* Proven record of **15 years and 7 months (overall)** of experience in Software Development and Architecture in global organizations.
* Good knowledge of and exposure to infrastructure architecture and software architecture (micro-service based).
* Good programming skills in Python, Ansible and Linux shell scripting.
* Good knowledge of Dev ops and CI/CD Architectures and tools.

***Professional Summary***

* **Oracle India Private Limited**

Principle Member of Technical Staff (March-2018 to Present)

* **Adobe Systems India**

Senior System Engineer (Jul-2016 to Mar-2018)

* **Oracle India Private Limited (**Jun-2006 to Jul-2016)

Senior Infrastructure solutions engineer

* **Accenture**

L1 (Automation Dev) (Feb-2006 to Jun-2006)

***Technical Proficiencies***

* Languages: Python, Bash.
* Rest API Framework: Swagger, Flask and Django.
* Cloud: Oracle Cloud Infrastructure, AWS, OpenStack
* Front-end framework: Bootstrap, D3.js
* DevOps and configuration management: Kubernetes, Ansible, Terraform, Docker, Rest-API, Swagger, Git, Gitlab CI/CD, Jenkins.
* Software Architecture: Micro-service Architecture Designing, CI/CD pipeline design.
* Infrastructure Architecture: HA, DR, Virtualization (KVM), Storage (DAS/NAS/SAN), Linux Networking, Load Balancers (HA-Proxy), NGINX, Oracle EM, Linux File systems and Linux system performance tuning.
* Markup and Templating languages: Jinja, YAML, JSON, HTML, Bootstrap, Basic JavaScript.
* Database: RDBMS SQL (Basics), Neo4j, key pair and document based NOSQL databases e.g. Redis and MongoDB.
* Automation: Python, Ansible, Shell-Scripting
* System Administration: Linux
* Others: Good knowledge of Linux kernel internal, system calls and system libraries and tools like JIRA, Confluence, Agile eco system.

***Academic Qualification***

* C.K. Pithawala College of Engineering & Technology (affiliated to VNSGU) (1998 - 2004) 66.44%
  + Degree: Bachelor of Engineering (Computer Science)
* 12th grade (GSEB) (1998) 63.69%
* 10th grade (GSEB) (1996) 79%

***Work Experiences:***

**Oracle India Private Limited** *(Principal Member Technical Staff (architect/developer/lead)* March 2018 🡪 Present

* **DBaaS Team**

At present, I work for DBaaS team (part of Oracle Cloud Infrastructure), which provides different types of Database as Service like Oracle RDBMS, MySQL, Autonomous database (compete data plane of Oracle OCI). It is micro-service-based architecture. Role is architecture and developer lead. Responsible for end to end solution. From managing git repository, micro-service architecture, pipeline and deployment to integration and prod environment and to provide support to operations team in case of production issue.

Responsibilities are as follows:

* Understand initiatives (Epics) promised to customer/partner and create architecture for the Epics. Create stories.
* Development of Codes in Python, Ansible, Shell-Scripting for Life Cycle management of Database cluster in a Cloud Environment (OCI) comprising of Provisioning of Databases, Configuration, Orchestration and Management.
* Writing Docker file to install dependencies into the pods.
* Development of Rest API’s using Swagger to manage OCI SDK requests.
* Using Git for managing versioning, CI/CD Pipeline.
* Presenting ideas, doing spike stories for the betterment of overall product.

For this team I have developed workflow engine, which orchestrate every execution in deployment.

Environment:

* Python, Ansible, Shell-Script, Kubernetes, terraform, Docker, Oracle Cloud Infrastructure, Openstack, Gitlab, Jenkins, Jira, Linux
* **IDCS Team**

Worked for Oracle IDCS team, which is oracle’s cloud base identity product. IDCS has 40000 plus customer. It is microservice based architecture. At Oracle IDCS my job as principle member of developer team is to develop life cycle management and deployment of IDCS’s micro-services on Oracle Cloud Infrastructure and Oracle Kubernetes. At Oracle IDCS, I have worked on following projects/feature:

1. IDCS Disaster Recovery: I was assigned as the main developer for DR phase 2(MT). also, I was responsible for supporting complete DR (MT). This include coding for creation of DR, switchover, patching and strategy design for switchover and patching DR environment.
2. Rate limiting implemented rate limiting feature to throttle number of requests for IDCS.

Environment:

* Python, Ansible, Shell-Script, Kubernetes, terraform, Docker, Oracle Cloud Infrastructure, Openstack, Git, Jenkins, Jira, Linux

**Adobe systems India** *(Senior system engineer)* July 2016 🡪 March 2018

Worked for Adobe IT team, responsible for development of various \* as Services and infrastructure automation.

At Adobe, I have worked on following projects:

* Designing/Deploying/Automating/managing of AWS infrastructure for various Adobe internal and external clients.
* SANPA - Block storage as service, tools used are neo4j, mongoDB, python and flask. This service enables storage, Virtual platforms and compute team to provision block storage.
* SAN performance visualization: This enables users to view their server’s storage connectivity and they can also check performance of related storage components. Tools used are neo4j, D3.js, python, flask.
* LBaaS – Load Balancer as Service – This service provides end-users capability to create Load-balancer for their internal VMs and BM hosts. Tools users are MYSQL, Python, Django, F5, HA-proxy.

Environment:

Python, Ansible, Shell-Script, Kubernetes, terraform, Docker, AWS, Jenkins, Jira, Linux.

**Oracle India Private Limited** *(Senior Infrastructure solutions engineer)* June 2006 🡪 July 2016

I worked for Oracle GIT Service Design team, responsible for designing solutions for cloud and non-cloud environments, API creations, Dev-ops architecture, documentation, standardization of hardware and software, technical implementation and testing, supporting operations team for escalated problems, infrastructure automation, designing operation procedures.

**Accenture** *(*L1 Automation Developer*)* February 2006 🡪 June 2006

As part of automation team, was responsible for Automating infrastructure.

***Certifications***

* Oracle Certified Associate (for Oracle cloud infrastructure)