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Summary

Passionate about technology - its integration with surroundings and impact on various industries. Give me the idea, and I will bring it to reality.

AWS / Azure/ DevOps Skills

- Built and Implemented **Multi-Tenant, Microservices, Cloud Agnostic Architecture**.
- Hands-on **AWS Technical Architect Skills** in developing and architecting enterprise-level large scale multi-tier **solutions** that require complex architectural decisions.
- Hands-on Experience in implementing Cloud Solutions using various AWS services including **EC2, VPC, S3, Glacier, ELB, Auto-Scaling, Cloud Front, Cloud Watch, Cloud Trail, Cloud Formations, IAM, Code Pipeline, Code Build, Code Deploy, Elastic Beanstalk, RDS, Data Pipeline, DynamoDB, Redshift, API Gateway** Etc.
- Expertise in **DevOps, Release Engineering, Configuration Management, Cloud Infrastructure, Automation**. It includes **Amazon Web Services (AWS), Ant, Maven, Jenkins, SVN, GitHub, Tomcat, JBoss, LINUX, Terraform, Ansible**.
- Hands on experience in **Azure Development**, worked on **Azure web application, App services, Azure storage, Azure SQL Database, Virtual machines, Azure AD, Azure search, and notification hub**.
- Designed and configured **Azure Virtual Networks (VNETs), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing**.
- Experienced in designing cloud models for **Infrastructure-as-a-service (IaaS), Platform-as-a-service (PaaS), and Software-as-a-Service (SaaS)**.
- Worked on infrastructure with **Docker containerization and Orchestration using Kubernetes**.
- Implemented **Service Mesh – Istio to manage Kubernetes**.
- Implemented **API Gateway – APIGEE , Kong**.
- Expertise in **Docker** containerized environment, hosting web servers on containers, **building Docker images using Docker file**.
- Administration various environments in software development life cycle (**SDLC**) **Windows, Ubuntu, Red Hat Linux, SUSE Linux and CentOS**. Experience supporting Chef Environment with multi servers and involved in developing manifests.
- Good knowledge of **RDBMS and projects using Oracle, SQL Server, SQL, PL/SQL**.
- Used scripting languages like **Python, Bash, JSON, YAML**.
- Experience in **Linux System Administration, Build Engineering & Release Management process**, including end-to-end code configuration, **building binaries & deployments** and entire life cycle model in Enterprise Applications.
- Experience with Version Control Systems like **GIT**.
- Configured **JENKINS** Monitor, List, and Build views to displays the status and progress of selected jobs with build version information.
- Configured and Deployed application packages on to the **Apache Tomcat** server. Coordinated with software development teams and QA teams.
- I have worked with **IAM** service creating new **IAM** users & groups, defining roles and policies and Identity providers. Also written custom
- Ability in development and execution of **XML, Shell Scripts, Power shell, Batch scripts and Bash** also.
- Working in the implementation team to build and engineer servers on **Ubuntu and RHEL. Provisioning virtual servers on VMware and ESX servers using Vcloud**.

- Good Knowledge in developing advanced web-based applications using **JavaScript, Web Services** and Databases like Oracle, **SQL Server**.
- Ability to quickly understand, learn and implement the new system design, data models in a professional work environment.
- Experience in writing **python scripts** using **Boto3** to automatically spin up the instances in **AWS EC2** and **OPS Works stacks** and integrated with Auto scaling to automatically spin up the servers with configured AMIs'.
- Migrated **Bamboo Jobs** to **Azure DevOps**.
- Implemented **Azure DevOps Complete CI/CD pipeline** to deploy serverless containers using **AWS Fargate**.
- Implemented **SAP DevOps** using **Jenkins, Git, ABAP Git, Neo Deploy**.

SAP Skills

- Completed **Masters** in Information Technology specialized in **Enterprise Systems (SAP)**.
- Performed installation of **ECC, Solution Manager, CRM** Systems and prepared the plan for implementing support pack stack in Production, Development and QA Systems.
- Performed **ECC 6.0 Administration** – Daily system checks, DB and application tuning, monitoring SLD logs and maintenance by updating kernels, support packs, installation of enhancement packages and SAP notes.
- Performance monitoring, Report creation, short dumps, health checks, root cause analysis, issue resolution and fine tuning.
- Implemented **SAP DevOps** for various clients.
- Designed and implemented Infrastructure architecture of **SAP on AWS Cloud**.

IT/Networking Skills

- Windows **Server administration** and maintenance, including **Active Directory** and **Group Policy**.
- Excellent **troubleshooting** and **customer service** skills to quickly meet their needs.
- Oversaw the local configuration of a new server/communications room and installed application servers as well as configured and deployed desktop hardware and software into the new network environment.
- Planned, implemented and tested **disaster recovery solutions** through **AWS** with department managers
- Implemented **Microsoft Deployment Toolkit Imaging system** to streamline deployment and restoration of workstations.
- Maintained and serviced **Dell & HP servers; Lenovo, HP & Dell workstations; Lenovo, Dell & Asus laptops**.
- Maintained and configured **Cisco ASA Firewall** at 45+ sites for intrusion detection/protection, content filtering, and remote access.
- Developed **department budgets** with a combination of best practice options and **cost analysis** based on business growth and evolving user requirements.
- Recommended **hardware, software and Cloud solutions** for short- and long-range goals. Researched options available and implemented.
- Supported and maintained **LAN/WAN** and related equipment.
- Diagnosed and resolved all **network-related issues**.
- Installed and configured **VOIP Phone System** using **FreePBX – CentOS**
- Implemented and Deployed **cloud printing** for 45+ communities using **Printer-logic**.
- Performed **troubleshooting** of end-user security.
- Performed troubleshooting of hardware and software technologies.
- **Trained staff** on hardware and software technologies.
- Repaired and rebuilt computers.
- Created and maintained **Access 2016 database** for their seminary.
- Implemented and maintained media infrastructure.
- Evaluated, recommended, and installed computers, network hardware, peripheral equipment, and software.

Technical Skills:

Build Tools	MAVEN, Gradle, ANT.
Bug Tracking Tools	JIRA, Fisheye, Cucumber, confluence, IBM Clear Quest.
Version Control Tools	GIT, ABAP-Git.
Container Automation	Docker, Kubernetes, Istio
Continuous Integration	Jenkins, Azure DevOps, Bamboo.
Continuous Inspection Tools	SonarQube, Checkmarx
IaaS Tools	Terraform
Configuration Management	Ansible
Cloud services	Amazon Web Services (AWS), and Microsoft Azure EC2, RDS, VPC, S3, ROUTE53, SNS, SQS, Cloud front, EBS, ELB, Cloud Watch, Elastic beanstalk, Cloud trail, VMs, Azure Functions, AKS, Web Apps, Azure Active Directory, Application Gateway, Web Application Firewall, VPN Gateway.
Monitoring tools	Nagios, Elasticsearch, cloud watch, Kibana.
API Gateway	APIGEE, Kong
Operating Systems	RHEL (5.x, 6.x, 7x), SUSE Linux (9,10,11), Sun Solaris (9,10,11), CentOS 5,6, Windows 2003, 2008, VMware ESX (3.5,4.0).
Networking	TCP/IP, NIS, NIS+NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, TELNET, Firewalls.
Database Servers	Oracle 9i, 10g, MySQL 7.0, 6.5, RDBMS Oracle, Mongo Db, Cassandra, SQL Server.
Web/Application Servers	WebLogic, Websphere, JBoss, Apache Server, Apache Tomcat.
Scripting Languages	Bash Shell scripting, Python, YAML, JSON.
Languages	C, C++, .NET, Java/J2EE, SAP ABAP.
SDLC	Agile, Scrum, and Waterfall.
Deployment Tools	U-Deploy, Octopus Deploy, Run deck, Azure DevOps, Neo-Deploy.
Documentation Tools	Visio, LucidChart, Snagit.
SAP	SAP ECC 6.0 EHP5,EHP8, SAP S4 HANA, SAP DevOps, SAP on AWS, Solution Manager, CRM

Professional Experience

Technical Pre-Sales for Qentelli

- Part of the **Center of Excellence** Team at Qentelli.
- Implemented **innovative solutions** for Qentelli as well as for its clients.
- **Built POC's** for various **new clients** at Qentelli.
- Presented **Pre-Sales Demo's** to various clients on the **SAP DevOps, Digital Transformation, and IoT Projects**.
- Involved in **requirement gatherings, solution architecture** for new clients.

DevOps Engineer

Jan 2020 – Present

Client: Brierley + Partners

Project: Digital Transformation

- Designed and Implemented **Muti-Tenant, Microservices, Cloud Agnostic** Architecture for **LaaS platform**.
- Involved in **decision making, problem solving** and worked closely with the client to **provide solutions**.
- Brought **innovative solutions** to the **LaaS Platform**.
- Introduced and implemented **DevOps culture** in the project.
- Implemented **Service Mesh – Istio** to manage **Kubernetes**.
- Implemented **API Gateway – APIGEE**.
- Implemented **messaging service tool – Kafka** in **Kubernetes**.

- Implemented **IaC** using **Terraform & Ansible**.
- Closely worked with the client understanding the requirement and built the **HA, Fault Tolerant, DR Infrastructure** in AWS.
- Introduced **AWS best practices** to the cloud infrastructure.
- To draw the architecture tools – **Lucidchart**.
- Guided 70+ Team Members during this project.

Apigee Engineer

July 2019 – Dec 2019

Client: Brierley + Partners

Project: Digital Transformation

- **Design, develop, configure, and troubleshoot APIs and policies** using **APIGEE**
- Implement requirements of the API layer like **security, custom analytics, throttling, caching, logging, monetization, request and response modifications, rate limiting, developer portal** using Apigee
- Used **gitbash** and **GitHub** for version control and source code repository to **update revisions** of **proxies**.
- **Design and develop API platform** to connect to various disparate backend systems for seamless data exchange
- **Build and support the APIs** through the entire lifecycle
- Perform regular **health checks** and **monitor performance** of the Apigee environment
- Write **Open API specification/YAML** and **smart docs** for **on boarding APIs** to **developer portal**
- Implemented **API level security** using **JWT** and **OAuth2**.
- Create custom policies in **Java, JavaScript**, in Apigee
- Build and create shared flows for **Error Handling, Security** and other scenarios
- Debug **Apigee EDGE** components
- Used and customized **Traffic Management, Security and mediation policies**
- Configured **1way and 2way SSL** implementation in Apigee and maintenance of trust stores
- Worked on **cross-cutting** business concerns like **authentication, authorization, monitoring, logging, governance, and documentation**

Azure DevOps Engineer

May 2019 – Jul 2019

Client: Duff and Phelps

Project: Cybersecurity DevOps - POC

- **Migrated Bamboo Jobs** to **Azure DevOps**.
- Configured and Implemented **CI/CD** with **Azure DevOps**.
- Developed, Packaged and Deployed applications in **Serverless Containers** using **AWS Fargate**.
- Integrated **AWS ECS** to push and pull images from **Azure DevOps**.
- Integrated **Jetbrains DotCover** to verify **code coverage** which increased efficiency of code by 85%.
- Provided source code analysis solution using **Checkmarx** for identifying, tracking and repairing technical and logical vulnerabilities, compliance issues and business logic problems in source code.

Associate DevOps Engineer

Apr 2019 – May 2019

Client: Deloitte

Project: SAP DevOps on AWS- POC

- Installed **SAP S4 HANA** and **SAP Solution Manager** in **AWS EC2** Instances.
- Configured **ABAP Git** in SAP System and Integrated ABAP Git and **Git Hub**.
- Helped my company to get **partnered** with SAP and AWS.
- Configured ABAP Git in SAP System and Integrated ABAP Git and GitHub for code checkout into SAP System.
- Developed plain **RESTful APIs** in ABAP – an alternative to **OData Service** to get integrated with **Jenkins** for Automation.
- Configured **REST Handlers** and **Resource Classes**.
- **Tested API** using **Postman**.
- Configured Jenkins with **TOSCA** for **Continuous Testing**.
- Integrated **SAP Cloud – NEO Deploy** tool with Jenkins for **Continuous Deployment** in **SAP ABAP System**.

Startup Projects

Project: Consulting Firm (<https://digitonaic.com/>)

- Designed and Hosted on **AWS serverless (S3)**.
- Designed and maintained **Web forms** and **Banners** using PHP5 and Symphony Framework
- Used **PHP5, HTML** and **JavaScript** webpage coding integrated with MySQL using Apache HTTP and Optimized PHP5.
- Designed HTML pages using Jade templating engine.

Project: Security Cameras (<https://www.careerstek.com/>)

- Designed a website **for learning platform**.
- Forums are created in the website.
- **Chatbot** is integrated.

Project: Church (<https://dallasasf.org/>)

- Designed and Hosted on **AWS. EC2 Linux Server - Apache Tomcat-WordPress**.
- Developed and Maintained on **WordPress**.
- Provided guidance to other team members on web development issues.
- Provided **technical support** to end users. Identifying and correcting software deficiencies.
- Built three websites from ground up on AWS. One on Server (**EC2**) and two **serverless (S3)**.
- Designed and maintained Web forms and Banners using PHP5 and Symphony Framework.
- Used **PHP5, HTML** and **JavaScript** webpage coding integrated with MySQL using Apache HTTP and Optimized PHP5.

Project: Ethnic Desires – Ecommerce (<https://ethnicdesires.com/>)

- Worked with the team to **understand the requirement** and **build the solution for them**.
- Low cost solution – **WordPress website** completely operating in AWS Cloud.
- Suggested various plugins for **vendor management** and **payment gateway**.

AWS DevOps Professional Intern, NIIT Technologies, India

Aug 2017 - July 2018

SAP on AWS Implementation:

- Involved in **SAP Implementation, Upgrades and Migrations** on AWS Cloud.
- Involved with **SAP Basis Team, AWS Team, DB Team and Networking Teams**.
- Involved in coordinating system requirements with **SAP Basis Architect**.
- Designed **Muti-Node Architecture** for the requirements given by **SAP Basis Team**.
- Set Up **HA** and **DR** across Multiple Locations.
- Configuring **IVM group** to push/pull **HANA Data & HANA log** from **S3 Bucket**.
- Implemented **Shared nothing storage concept** for high storage availability.
- Installed **UNIX/Windows Servers, Network Infrastructure, Storage** on AWS to improve performance and security.
- Configured **TCPIP, routing, IP subnets**.

Amazon Chime Implementation:

- Implemented **Amazon Chime Chat** Room for DevOps team for **Effective issue resolution**.
- Configured **Cloud Watch Alarm** and **SNS** to Send notifications and trigger **Lambda Function**.
- Configured **Amazon Lambda Function** to craft message from **CloudWatch Alarm** and send it to **Amazon Chime chat room**.

DevOps Activities:

- Configured Remote Connectivity for End Users for improvement in **support service**. Decreased support calls by 80%.

- Modeled, Provisioned and automated repeated processes in AWS through **CloudFormation** using **YAML/JSON** Script.
- Implemented monitoring system on AWS **dashboard** for effective data Visualization and Reports.
- Wrote **terraform scripts** to automatically spin up the instances in **AWS EC2** and set up Auto scaling groups.

Education:

University of Texas at Dallas,

M.S, Information Technology Management

Andhra University, Visakhapatnam, India,

B. Tech, Chemical Petroleum Engineering

NIIT,

Diploma, Information Technology

Certifications

- AWS Certified Solutions Architect Professional – Amazon Web Services
- AWS Certified Security Specialty – Amazon Web Services
- AWS Certified Sysops Administrator Associate– Amazon Web Services
- AWS Certified Solutions Architect Associate – Amazon Web Services
- AWS Developer Associate – Amazon Web Services
- Oracle 12C Certified – Oracle
- Project Management – University of Adelaide
- Project Management Techniques for Development Professionals – Inter-American Development Bank
- Public Procurement – The World Bank
- Analytical Problem Solving and Design Thinking – Fullbridge
- Six Sigma Yellow Belt – 6Sigmastudy
- Inclusive Leadership – CatalystX
- SCRUM Fundamentals – Scrum Study
- Business and Data Analysis – Fullbridge
- C/C++ - Indo German Institute of Technology