JAGANNATHAN SEKARAN

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EXECUTIVE SUMMARY

An **IT Professional** with 14+ years of experience with proven record of significant and successful contribution in Cloud and Databases. An adaptable professional who specializes in team management, cloud migration/administration, automation and database.

TECHNICAL SKILLS

Cloud Platform
Amazon Web Services (AWS), Azure

AWS Services:
S3, EC2, Route53, API, RDS, VPC, Lambda, IAM, EFS, EBS, ALB

Azure Services:
Azure SQL, BLOB Storage, Azure VM

Operating Systems:
Linux, Windows

Languages:
Bash, Python, SQL

CI/CD:
Git, GitHub, Gitlab, Jenkins, Maven, Gradle, Nexus, Docker

DB Tools:
SQL Server, Oracle

Containerization Tools:
Docker, Kubernetes

Monitoring Tools:
AWS Cloud Watch, Prometheus, Nagios, Grafana, NewRelic

Other Tools:
iTop, BugZilla, Terraform, Ansible

CERTIFICATIONS

Amazon Web Service

Certified Cloud Practitioner	*JAN 2020*
Solutions Architect Associate	*JUN 2020*

Microsoft Certified

Azure Fundamentals	*DEC 2020*
Azure Data Fundamentals	*JAN 2021*
Azure Administrator Associate	*FEB 2021*

HashiCorp Certified

Terraform Associate	*JUL 2021*

Oracle

Oracle Certified Associate	*OCT 2013*

EDUCATION

Master of Business Application, Annamalai University (*TN, India*)
Diploma of computer science, NIIT (*TN, India*)

Visa Status: **H1B** (*valid until 2022*)

PROFESSIONAL SKILLS DEMONSTRATED

A Square Group, LLC.
♀ Alpharetta, *GA*

Sr. Cloud Engineer
November 2017 – Present

- Administrating AWS infrastructure
- Manage databases through multiple product lifecycle environments, from development to mission critical production systems.
- Deliver cloud architecture solutions to successfully meet the strategic needs of the company
- Modernizing efforts by planning and strategic roadmaps.
- Create, develop and manage the Infrastructure as Code (IaC) project, standing up and testing new AWS EC2

- instances to be used on the project using Jenkins, Ansible, Cloud Formation, Terraform, AWS Glue, Quicksight and other Analytics service tools.
- Translate organizational level business requirements and use cases into architectural capabilities verified to meet the requirements.
- Develop and maintain State Based Marketplace (SBM) reports as well as troubleshooting data issues when they arise.
- Design solution independent architecture models that map business services to cloud application stacks.
- Continuously manage, monitor, and update architecture models as business needs evolve and additional cloud services become available.
- Assist product owners, solution architects, and application architects in designing scalable, highly available, secure, cost-effective solutions that leverage cloud services.
- Support the data engineering, ETL processes and work cohesively to support the team.
- Work in a DevSecOps capacity with a desire to automate all repetitive processes.
- Develop solutions supporting existing and new programs. Introduce new technologies and implement new process to enhance efficiencies of overall program.
- Directly interface with the client on a regular basis provide presentations from time to time.
- Define and document cloud solution architecture(s) including technical designs and diagrams.
- Produce well written, technical detailed articles (documents) that are tailored specifically to the customer's environment, objectives and requirements.
- Perform other technical leadership duties as assigned.

Ebix Inc.
📍 *Johns Creek, GA*

Platform Engineer/DBA
April 2017 – October 2021

- As a platform Engineer, I implement solutions that aim to improve parts of the software development lifecycle
  - Developed application pipeline for multiple projects based on client specification
  - Worked on building CI/CD pipeline using Git, Jenkins, Maven, SonarQube, Nexus, Docker, etc.
- Worked with Version Control tools **GIT** and **Gitlab**
- Experience in different services of **AWS** like **S3**, **EC2**, **Lambda** Function, **RDS**, **Route 53**, ECS, Application Load Balancer, etc.
- Experience in using Nexus Repository Manager for Maven builds
- Worked on **Docker**, AWS ECS/EKS
- Provisioned cloud resource using **Terraform**
- Work with Software Engineers, Product Managers, and QA Engineers in an Agile team environment
- Manage infrastructure though scripts and code
- Perform root cause analysis of production impacting issues, including opening problem cases with vendors and driving them to conclusion
- Maintaining and bug-fixing existing applications and infrastructure
- Setting up virtual environments on AWS/Azure for rapid development and testing
- Familiar with TCP/IP networking, firewalls, switching, and routing
- Implemented in-house monitoring tool using Grafana/InfluxDB
- As a DBA Migrated Oracle/SQL Server databases to **AWS RDS**/**Azure SQL**

Ebix Software India Pvt Ltd
📍 *Chennai, India*

Sr. Database Admin   *August 2010 - March 2017*

- Automated log shipping (*poor-man data guard*) using scripting that decreased the cost of purchasing enterprise licenses by 30%
- Installation and Administration of Oracle database 10g/11g (RAC/Standalone) on Linux & Windows
- File system to ASM migration
- Configuring and maintaining RMAN and SQL backup
- Configured database backups to Cloud (S3/Azure Blob)
- Worked with SAN team on storage estimation/Allocation
- Automated day-to-day DBA activities using shell scripts/PowerShell scripts which improved DBA's productivity by 10-15%
  - Written script to monitor datafile/ASM DG size
  - Written backup script to take level-0/1 using RMAN

Lead Support Analyst (NOC)   *Oct 2009 – Aug 2010*

- Managed a team of 6 members by providing 24x7 support monitoring databases and alerting DBA
- Prepared workload report for management
- Involved on mentoring and teambuilding activities

Premier Technology Group Pvt ltd   ⚲ *Chennai, India*

Conversion Analyst   *May 2007 to Sep 2009*

- Converting Sybase database to Oracle database using in-house conversion tool
- Migrating and monitoring data migration in oracle databases
- Performed Data extraction using DataPump

Personal Project

Cloud Resume Challenge (https://jagan-sekaran.me**)**

Serverless website to host your resume with visitor's count

The below AWS Services were utilized to create the website

- S3: Host the contents of website designed/styled in HTML, CSS and JavaScript
- CloudFront: CDN to cache static assets and serve HTTPS requests
- Certificate Manager: Provision and Manage custom SSL certificates
- API Gateway: "Front Door" for the site to interact with backend services such as AWS Lambda
- Lambda: Python to log/get the visitor count information from database
- DynamoDB: Database to store the visitor count information
- Route 53: DNS service to map custom domain name to Amazon CloudFront
- GitHub: Source control for code changes and GitHub Actions for CI/CD workflow
- Terraform: Provision infrastructure as code

For more information visit: https://blog.jagan-sekaran.me/cloud-resume-challenge-aws