**Name**

**Senior AWS Cloud Architect/Business Analyst/Data Analyst**

**@gmail.com** 

**PROFESSIONAL SUMMARY**

* Over **9 years** of IT Industry Experience with AWS Cloud Management, Configuration Management, Build, Deploy, Release Management, and Quality Assurance
* Experience in managing infrastructure related to networks and related hardware and software to ensure availability, recoverability, performance, integrity and supportability through production support and maintenance of existing network and development and implementation of network enhancements
* Experience with the build servers and tools such as Jenkins
* Experience with virtual infrastructures such as Amazon Web Services
* Strong experience in virtualization technologies, such as VMware, Docker, and ECS
* Experience in monitoring metrics on EC2, EBS, Elastic Load Balancer, RDS using CloudWatch
* Experience in backup services like EBS snapshots, S3 backups, and Amazon Glacier
* Experience in security policies like Security Groups, IAM roles and Multi Factor Authentication
* Experience in source code development software like Git and Bitbucket
* Experience using Docker Containers
* Knowledge in Business Analysis, Requirement Analysis, Business SWOT Analysis, Business Process Modeling, and case study analysis as well as in creating Project Plan, Risk Management Plan, Resource Management Plan, Change Management Plan, and Status Reports
* Experience in working with business financial statements (Balance sheet, income statement, cash flows) and performing analysis
* Excellent writing skills in preparing Business Requirement Documents (BRD), Functional Specification Documents (FSD), System Requirement Specification (SRS), Use cases, and Test cases
* Proficient in research, writing, designing and conducting oral Microsoft PowerPoint presentation
* Experienced in Requirement gathering, analyzing business workflows, documenting and managing requirements from project inception through release
* Experience in Agile, Scrum, and Waterfall methodologies
* Exposed to all aspects of software development life cycle (SDLC) such as Analysis, Planning, Developing, Testing and implementing along with Post-production analysis of the projects. Collected, cleansed and provided modelling and analyses of structured and unstructured data used for major business initiatives
* Created visually impactful dashboards in Excel and Tableau for data reporting by using pivot tables and VLOOKUP
* Extracted, interpreted, and analyzed data to identify key metrics and transform raw data into meaningful, actionable information
* Proficiency with qualitative and quantitative data analysis
* Providing expertise in data storage structures, data mining, and data cleansing
* Translating numbers and facts to inform strategic business decisions
* Coming up with solutions to costly business problems

**TECHNICAL SKILLS**

* **Cloud Computing:** AWS-VPC, EC2, S3, EBS, RDS, Route 53, CDN, CloudFront, CloudFormation, CloudWatch, Lambda, ASG, LB, SG, NACLs
* **SDLC Models:** Waterfall Model, Agile Methodologies (SCRUM)   
  **Security:** ACL, SDM, RADIUS, TACACS+, IDS, IPS, RACKUS and VPN   
  **Web technologies:** Apache, Nginx, WebSphere, WebLogic
* **Business Analysis/Data Modeling Tools**: MS VISIO, Adobe Illustrator & Photoshop, LucidCharts
* **Project Management:** MS Project, Jira
* **Test Management / Testing:** JIRA, Rational Quality Manager, Rational Functional Tester, Rational Quality Manager
* **Document Management:** MSSharePoint  
  **Operating System:** Windows Linux, RHEL, CentOS, Mac
* **Database:** MySQL, DynamoDB, Cassandra  
  **Scripting:** Python, Java
* **Office Suites / Other**: MS Office Suite (Word, Excel PowerPoint), Outlook, Adobe Acrobat
* **Methodologies:** AGILE SCRUM, Waterfall, RUP

**PROFESSIONAL EXPERIENCE**

**Outlets – Hoffman Estates, IL October 2018 – Present**

**AWS Administrator**

* Head of managing AWS infrastructure that was initially built and managed by Capgemini and off boarded to internal team
* Involve and direct all KT sessions between two parties
* Configure and maintain the AWS compute services like EC2, S3, Dockers, RDS, AWS Lambda, Autoscaling, Elastic Load Balancer
* Host static website on AWS S3 and set up lifecycle policies on S3 buckets for specific retention period on most accessed data
* Use Amazon Elastic Block Store (Amazon EBS) service for Reliable, Secure, and persistent block storage volumes for use with Amazon EC2 instances, enabled snapshots with lifecycle policy
* Oversee the launch of Amazon Aurora database instances with either MySQL or PostgreSQL compatibility
* Manage existing databases through the MySQL Workbench
* Utilize Amazon Virtual Private Cloud (Amazon VPC) for provisioning a logically isolated section of the AWS services to launch AWS resources in a virtual network
* Utilize Amazon Cloud Front as a Global Content Delivery Network (CDN) service for accelerated delivery of websites, APIs, video content or other web assets through CDN caching
* Utilize Amazon Route 53 effectively for connecting user requests to infrastructure running on AWS - such as Amazon EC2 instances, Elastic Load Balancing load balancers, or Amazon S3 buckets
* Use Amazon Route 53 to configure DNS health checks to route traffic to healthy endpoints or to independently monitor the health of application and its endpoints
* Use the AWS Direct Connect connection to access public resources such as objects stored in Amazon S3 using public IP address space, and private resources such as Amazon EC2 instances running within an Amazon Virtual Private Cloud (VPC)
* Usage of Elastic Load Balancing (ELB) to automatically distribute incoming traffic across multiple Amazon EC2 instances
* Monitor various services running on AWS-including CPU utilization and memory usage through Amazon CloudWatch and set alarms pointing to SNS topics for appropriate actions
* Install and manage Zabbix for detailed monitoring
* CloudTrail used for tracking user actions and compliance
* Manage AWS services through scripts and using Command Line Interface (CLI)
* Use Amazon connect for seamless connection to AWS environment
* Experience with 3rd party AWS manager Connectix
* Use Jira for issue tracking, planning, and managing project

**– Dallas, TX August 2017 – September 2018**

**Sr. AWS Architect**

* Optimized EC2 instances, Load balancers, and ASG’s
* Created a 3-tier infrastructure (public, application, and database layers) in addition to groups, policies, and users while ensuring each user had access to what they needed
* Designed and implemented Amazon Web Services architecture, which included the configuration of various AWS resources like, EC2, EBS, Elastic Load Balancers, Autoscaling groups, security groups, and S3, that were utilized for different environments like dev, testing, and staging/prod
* Configured S3 to host static web content and enabling versioning and lifecycle policies to backup files and archive files in Glacier
* Created EBS snapshots with appropriate retention period and lambda functions for AMI level backups
* Configured chef to manage AWS environments and automate the build process for core AMIs used by all application deployments including Autoscaling and incorporating chef on the JSON CloudFormation scripts for the configuration deployment onto the nodes
* Wrote and maintained extensive documentation as well as created cookbooks using Ruby framework for configuring the infrastructure and application servers
* Monitored network services (SMTP, POP3, HTTP, NNTP, ICMP, SNMP, FTP, SSH) using Zabbix
* Installed and configured Nexus to manage the artifacts in different Repositories and handling dependency management using nexus private repository
* Utilized CloudWatch to monitor resources such as EC2, CPU memory, Amazon RDS DB services, DynamoDB tables, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better operation of the system

**– Dallas, TX January 2016 – August 2017**

**Jr. AWS Architect**

* Designed the network architecture for the POC using LucidCharts
* Created the VPCs, EC2s, ASGs, ELBs, ACLs, Subnets, Route Tables, Internet Gateway, and NAT Gateway
* Worked with Development Team to get characteristics of the application and worked with developers to replicate the QA structure into PROD environment
* Created the required AMI, backup, and recovery for the servers as well as Domains, record sets, and Alias records for various applications used in environment using Route53
* Worked with Security team in resolving issues related to security via IAM
* Set up CloudWatch for monitoring CPU utilization, Memory usage, and sending information to SNS topics
* Created Lambda functions to automate various processes and documentation according to AWS best practices for SWA

**Mutual – MI June 2013 – December 2015**

**Business Analyst**

* Collaborated with end users and stakeholders to analyze customer requirements, and prepared a requirements specification document for the application using MS Word
* Designed, developed, and documented business practices, processes, and end user training using agile methodologies
* Performed extensive data modeling to differentiate between the OLTP and Data Warehouse data models
* Configured system settings and options, planned and executed acceptance testing, and created specifications for systems
* Planned, arranged, and controlled meetings, workshops and relations with staff during system investigations and throughout subsequent development work
* Reviewed and re-designed business process flows as well as updated documentation in Microsoft SharePoint
* Assisted in determining user roles and authorization requirements to restricted and confidential data
* Worked with business to determine reporting requirements and designed report formats
* Supported integration and user acceptance testing and managed status and posting of project deliverables

**Chicago, IL October 2011 – May 2013**

**Data Analyst**

* Met with stakeholders to gather information through surveys, interviews, and JAD sessions
* Accomplished multiple tasks from collecting data to organizing data and interpreting statistical information
* Uncovered raw data by doing Explanatory Data Analysis and converted raw data to processed data by merging, finding outliers, errors, trends, missing values, and distributions in the data
* Established RUP (Rational Unified Process) methodology and assisted in developing Use cases and project plans
* Conducted data exploration to look for trends, grouping, and deviations in the data to understand the data diagnostics
* Developed Use Case diagrams, business flow diagrams, Activity/State diagrams and Sequence diagrams so that developers and other stakeholders can understand the business process
* Achieved multi-dimensional segmentation analysis to discover business rules and finalize the segmentation procedure
* Created use-case scenarios and storyboards in MS Word and MS PowerPoint for better visualization of the application and managed them using Rational Requisite Pro
* Maintained a log of all the iterations performed in R during the data modeling process
* Updated and modified progress and resources allocation in MS Project for the team

**– Chicago, IL September 2009 – September 2011**

**Research Assistant**

* Oversaw and worked in a team to fulfill preliminary research for a future thesis as well as summarized previous research
* Executed research methods through interviewing subjects and making observations
* Entered data into SPSS and Excel for analysis and conducted data exploration to look for trends, patterns, grouping, and deviations in the data to understand the data diagnostics
* Analyzed the final data by creating histograms, charts, and graphs as well as designed various reports using Pivot
* Prepared a final report summarizing the background, hypothesis, method, and conclusion of the research

**EDUCATION**

* **Benedictine University – Lisle, IL**  **2013**
  + Master of Business Administration
* DePaul University **– Chicago, IL 2010**
  + Bachelor of Science in Psychology