

SRI GANGENAMONI

Enterprise Cloud Architect

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JOB OBJECTIVE

I am currently seeking an opportunity to work on AWS/Azure cloud technologies as an Enterprise Architect or an Equivalent role.

EDUCATION & CERTIFICATIONS

College Degree:

- ❖ *Masters in Science (Computer Engineering)* : Lawrence Tech University, MI, USA

Professional Certs:

- ❖ *Certified AWS Professional – DevOPS Engineer.*
- ❖ *Certified AWS Professional – Solutions Architect.*
- ❖ *Certified IBM Cloud Infrastructure Solutions Architect.*
- ❖ *Certified IBM Systems expert – Virtualization Technical Support for AIX and Linux.*
- ❖ *Certified TOGAF 9 – Enterprise Architecture.*

CORE COMPETENCIES

Results-driven IT professional with 15+ years of progressive experience working as Cloud/Infrastructure Architect responsible for solutioning and engineering complete infrastructure and hosting environments for large mission and business critical applications for various domains such as manufacturing, energy, financial and transportation industries.

Experienced in architecting High volume, highly available, scalable, secured, robust and cost effective infrastructure. Participate in enterprise wide strategic initiatives for future state infrastructure architecture and collaborate with the executive leadership for making informed decisions.

- Cloud/Platform Technologies
- Cloud/Platform Process
- Datacenter Management
- Strategic Planning
- Disaster Recovery
- Cost Reduction
- Vendor Management
- Capacity Planning
- Performance Tuning
- Resource Planning
- Voice & Data
- Cloud/Platform Security

My diverse experience has given me the ability to join any team and quickly become productive.



WORK EXPERIENCE

Smart Insight, LLC, Iowa

Client: Verizon – Irving, TX

(Sr Migration Cloud Architect)

Aug 2016 – Mar 2019

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Oct 2019 – Current

As a HANDS-ON Migration Architect, my role was to assist migrate 9 critical wireline/ wireless applications to AWS Cloud with a total cost savings of \$4+ Million Dollars. I have re-architected applications/databases to align with Verizon's Business Strategy by maximizing the use of Open Source products & Improved business continuity KPI's by 80%.

KEY RESPONSIBILITIES (*Verizon Wireline & Wireless Projects*)

- ✓ Evaluate architectural frameworks/patterns, processes, standards and guidelines related to cloud, enterprise, and data architecture, and aligned cloud migration approach with overall Verizon's enterprise architecture vision.
- ✓ Build strategies to reduce overall cloud costs across Wireless & Wireline portfolios.
- ✓ Validate solutions/architectures for JITR & One-Billing Apps using AWS Well-Architected Framework.
- ✓ Enforce cloud first strategy, design END-END cloud migration solutions using detailed cloud readiness assessments, cloud migration plans & clouds migration roadmap.
- ✓ Automate cloud infrastructure deployments by using Infrastructure as a Code (IaaS). Refactor application architectures and create fully automated CI/CD build and deployment pipelines.
- ✓ Design and implement portfolio wide - custom AMI builds using Image Lifecycle Management (ILM) Process, AMI Refresh/Rehydration Process to adhere with Verizon Compliance policies.
- ✓ Implement & standardize container image creation, automate and manage micro-service container applications using Kubernetes.
- ✓ Implement cloud security models to manage PCI, CPNI & PII data. Manage and monitor security events using SIEM tools.
- ✓ Design and Deploy AWS Server less Architecture for Verizon voice/text data streaming projects.
- ✓ Establish database migration strategy which help migrate Licensed DB's to AWS RDS & AWS EC2.
- ✓ Maintain business SLAs through proactive monitoring tools and system performance initiatives. Perform post-migration application optimization by proactivity refreshing technology stacks.

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- ✓ Consult and advise management executives regarding governance, business logic, compliance standards and overall risk regarding security and operations on the cloud.

KEY TECHNOLOGIES & SKILLS

- *Cloud:* AWS EC2, EC2 AutoScale, Lambda, ECS, EKS, BeanStalk, CloudFormation, IAM, WAF, KMS, S3, EFS, EBS, VPC, Aurora, RDS, DMS, DynamoDB, Trusted Advisor, Kinesis, Cloud Front, CloudSearch & Direct Connect.
- *DevOps:* Python, Ruby, Shell, Groovy, Ansible, Jenkins, Docker, Kubernetes, Maven, Gradle, Jfrog Artifactory, BitBucket(GIT), Fortify, SonarQube, New Relic.
- *3rdParty SW/Tools:* DataDog, CloudHealth, Splunk, Terraform, Spark, Kafka, Cassandra

Smart Insight, LLC, Iowa

Mar 2019 – Oct 2019

Client: CBRE – Dallas, TX
(Cloud Consultant)

- ✓ Implement process and quality improvements through task automation. Institute infrastructure as code, security automation and automation of routine maintenance tasks
- ✓ Perform data migration from on premises environments into AWS
- ✓ Support the business development lifecycle (Business Development, Capture, Solution Architect, Pricing and Proposal Development)

SmartInsight, LLC, Iowa

July 2011- July 2016

Client: Enterprise Holding, Inc. – St. Louis, MO
(Sr Systems Cloud Engineer)

Worked as a consultant in “Engineer IV” (IT Cloud Architect) position primarily responsible for analyzing application behaviors based on Technical/Business/Operational complexity and recommending infrastructure re-design in Datacenter, Cloud IaaS/PaaS/SaaS (Public/Private) and later support in the full transitional process.

KEY RESPONSIBILITIES (All AWS - PCF Projects)

- ✓ I have collated functional requirements, non-functional requirements and business requirements of applications and designed secure, scalable Private (IPC) & Public (AWS) cloud architectures that integrate with existing infrastructure to deliver business goals and objectives.

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- ✓ Contributed to Reference Architecture by following Architecture best practices to document High Level Designs (HLD) and Low-Level Designs (LLD) for new application deployments.
 - ✓ For all Pay-As-You go models, I have provided monthly \$ billing information, forecast quarterly growth and set Alerts on OpEx thresholds as suggested by the solution owners.
 - ✓ Played a key role in evaluating, establishing and conducting Proof-Of-Concept to test critical functionality of the proposed solution before actual migration.
 - ✓ Participated and Coordinate with PMO in implementation, testing and Go-Live phases.

KEY RESPONSIBILITIES *(All Datacenter Projects)*

- ✓ I have deployed and administered multiple Solutions hosted on UNIX (IBM) & Linux(VMware) by fully exposing the virtualization STACK to meet current and future business demands.
- ✓ Performed monitoring and fine tuning of UNIX/Linux OS parameters based on system load requirements.
- ✓ I have helped built many custom UNIX/Linux packages and tools for OS/DB/App teams. Some tools greatly helped OS/DB/App teams to simplify operational tasks.
- ✓ Worked on multiple Hardware /Software budget planning and license renewal.
- ✓ Written many Python/Bash/Korn scripts to automate routine system administration tasks and project related activities.
- ✓ Monitor 24/7 mission/business critical using multiple COTS products and provided [12/7, 8/7] On call and Maintenance Support

KEY TECHNOLOGIES & SKILLS

- *Cloud:* Amazon Web Services EC2, ELB, Auto Scaling, Route53, S3, IAM, VPC, RDS, Lambda, Cloud Formation, Cloud Trail, Cloud Watch, SNS, SQS, EMR, VCE Vblock.
- *DevOps:* Python, Ruby, Chef, Puppet, Shell, SVN, Jenkins, CheckStyle
- *3rdParty SW/Tools:* Troposphere, Terraform, Splunk, TeamQuest, IBM GPFS

Legg Mason – Baltimore, MD

September 2007 – June 2011

(FTE Position: Role - Senior Solutions Engineer)

Provided systems engineering solutions across physical & virtual Linux/UNIX farms for maximizing performance and throughput. Designed critical E-business production UNIX/Linux servers 24/7 running application. Customized various 3rd party tools for support team to easily administer UNIX/Linux Servers

KEY RESPONSIBILITIES (Linux Projects)

- ✓ Instrumental in Architecting Linux environment by introducing virtualization and automating Linux infrastructure. Deployed custom RHEL 5.5 in ESX server farm
- ✓ Standardized the environment on Red Hat Enterprise Linux by building custom RPM packages for CFEngine, SUDO, Java, Tomcat and various Perl modules.
- ✓ Led, designed, developed and implemented Centralized Logging utilizing SYSLOG-NG.
- ✓ Configured s/FTP servers in a secure environment by implemented Linux firewall using iptables.

KEY RESPONSIBILITIES (UNIX Projects)

- ✓ I was responsible for designing, developing and managing IBM AIX Infrastructure which includes Deployment of new UNIX(AIX) Servers, building new VIO Servers and VIO Clients using Advanced Power Virtualization (APV), Deploying new and upgrading old HMC's.
- ✓ Installed and Configured NIM (Master/Client) on AIX server farm to perform bi-annual patching and take scheduled MKSYB backups. Used NIM to migrate AIX servers to higher AIX version (V.R.M.F)
- ✓ I have managed 15 Power 5&6 managed frames by performing frame firmware and adapter microcode's upgrades/updates using HMC.

KEY TECHNOLOGIES & SKILLS

- UNIX(AIX), RHEL 5, IBM VIOs, IBM NIM, IBM System Director, VMware, Hadoop (Cloudera 1.x, Horton Works), EMC Vmax, IBM DB2, Sybase, TSM, Cacti, CFEngine, Perl, Python & IBM WebSphere Server

Willing to Travel/Relocate

References Available Upon Request

FOR MORE DATED EXPERIENCE & ACHIEVEMENTS PLEASE VISIT -

<https://www.linkedin.com/in/sgangenamoni>