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## SUMMARY

Thought leader focused on increasing software delivery velocity and improving service reliability. Experienced in migrating and designing scalable applications in the AWS public cloud. Strong servant leader, works vigorously to earn and keep customer trust.

## TECHNICAL SKILLS

**Agile Project Management:** Scrum

**Platforms:** Docker, EC2, ECS, EKS, Route53, ELB, Lambda, API Gateway, AppSync, DynamoDB

**Infrastructure as Code:** Terraform, Cloudformation

**Certifications:** AWS Certified Solutions Architect – Associate

## EXPERIENCE

**LexisNexis, Miamisburg, OH**

**January 2017 – March 2020**

**Consulting Software Engineer|Cloud Architect**

Primarily focused on planning and execution of resilient workload migrations to the cloud. Collaborated with product owners, engineers and operators to manage migration life-cycle based on the business requirements and quality attributes. Ensured all applications achieved business, regulatory compliance, security and operational goals.

- Drove multi-stage cloud migrations using a sprint based migration approach. Completed a series of sprints that iterated through the discover, assess and plan phase. Work products included tailored migration assessment model, prioritized migration schedule for migration sprints and application and infrastructure discovery data necessary to group and schedule migrations.
- Executed migrate and optimize sprint iterations. Deployed workloads in multiple waves and migrated a portfolio of 80 servers hosting 10 legacy applications in two separate data centers in two geographic regions to AWS cloud with zero post-migration defects.
- Performed operations as code to limit human error. Standardized cloud infrastructure components using templates and automation to orchestrate infrastructure and application provisioning. Work products included reusable provisioning template libraries for Terraform and Cloudformation to accelerate adoption.
- Executed blue/green style deployments to enable zero-downtime software feature releases. Customer traffic was transparently shifted between environments running different versions of software. Implemented Route53 related Cloudformation custom resources to facilitate deployments.
- Improved recover time objectives (RTO). Implemented centralized logging and monitoring to enable developers and operators to quickly perform root cause analysis on large volumes of application log data. Work products included Elasticsearch, Logstash, and Kibana (ELK) logging cluster for log analysis. Prometheus and Grafana were used to monitor workload behavior and access patterns.
- Mitigated the risk of introducing cloud native API versions to production using API Gateway canary release deployments. Released features slowly to subsets of users before rolling out to the entire infrastructure.

**LexisNexis, Miamisburg, OH**

**April 2010 – December 2016**

**Consulting Software|Domain Architect**

Partnered with business and technology leaders, as trusted adviser. Integrated software acquisitions into content systems portfolio. Worked with program management peers and stakeholders to develop architecture roadmaps used to guide annual (re)investments in US and international content systems.

- Drove integration strategy, governance, and execution of a strategic service oriented architecture initiative for next generation content systems.

**NCR, Dayton, OH**

**February 2005 - March 2010**

**Application Architect**

Translated architecture strategy into executable road maps comprehensive of technology, application, process, security and compliance dimensions. Governed application development to ensure the architectural integrity and long-term supportability of implemented solutions. Researched and monitored emerging technologies and advancements, and recommend technical strategy and direction based on industry analysis.

- Eliminated tight interface coupling between source and target systems, and managed the complete service lifecycle of service oriented architecture, enabling NCR to operate best-in-class capabilities for forecasting, planning and optimizing the global inventory.
- Lead development of tools and services to monitor and manage the performance of the NCR service-oriented architecture (SOA). Consulted IT development teams regarding SOA principles, design and governance.
- Mentored development teams on Enterprise Service Bus (ESB) design patterns and best practices, resulting in improved system maintainability.

**EDUCATION**

**Bachelor of Science in Computer Science  
Hampton University, Hampton, VA**