



DEVESH KUMAR

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SUMMARY

Passionate multi-cloud solutions architect and leader with 14 years of experience in strategic cloud migration and solutions architecture across public clouds. Proven track record of successfully migrating complex systems to the AWS cloud, optimizing infrastructure, and improving operational efficiency.

SKILLS

- Multi-cloud Architecture and Design
- Cloud Migration and Modernization
- Serverless and Microservices Architecture
- AWS Services: IAM, EC2, VPC, S3, CloudWatch, Lambda, API Gateway, SNS, SQS, RDS, EKS etc.
- Azure Services: VM, VNET, Blob Storage, Data Factory, Data Lake, Databricks etc.
- Pivotal Cloud Foundry
- DevOps: CI/CD, Jenkins, Git, Docker, Podman, Kubernetes, Terraform, CloudFormation
- Java/J2EE, PLSQL, Spring, Spring Boot, Spring Cloud, Spring Batch
- Project Management, Presentation and Proposals
- Cost Estimation and Optimization
- Capacity Planning and Data Governance

CERTIFICATIONS

- AWS Certified Solutions Architect Associate
- Google Professional Cloud Architect
- Google Associate Cloud Engineer
- Microsoft Azure Solutions Architect Associate
- Microsoft Azure Administrator Associate
- Certified SAFe® 5 Practitioner
- Oracle PLSQL Developer Certified Associate

WORK HISTORY

SOLUTIONS ARCHITECT

05/2021 to PRESENT

Atos | Logistics Client | Chicago, IL

- Led the migration of client's legacy on-prem Transport Management System to AWS, reducing infrastructure costs by 20%.
- Led planning the entire lifecycle of APIs from creation to retirement and established processes for API documentation, version control, testing, deployment, and monitoring.
- Identified and prioritized API opportunities, collaborated with product teams to define API requirements, and evangelizing the benefits of APIs to stakeholders.
- Ensured proper governance and compliance throughout the API lifecycle, including defining access controls, usage policies, and privacy considerations.
- Established metrics and monitoring mechanisms to track API usage, performance, and availability, enabling identification of areas of improvement, optimization of API performance, and data-driven decision-making.
- Defined design principles and guidelines for creating APIs within the organization including standards for API naming conventions, authentication and authorization mechanisms, error handling, and versioning.
- Implemented the Resilience4j framework to enhance the reliability and fault tolerance of critical APIs,

reducing downtime and improving system resilience. Configured circuit breakers, retries, and timeouts using Resilience4j to handle and recover from network failures, latency issues, and resource unavailability, resulting in improved overall system stability.

- Migrated on-prem Oracle database to AWS RDS for PostgreSQL ensuring minimal downtime.
- Collaborated with client teams to assess existing PCF architecture, evaluate workloads, and re-platform applications to containerize them on EKS clusters.
- Automated deployments at scale using IaC with AWS CloudFormation and Terraform increasing deployment frequency by 3x and improving DORA metrics.
- Achieved cost savings through identification of inefficiencies and implementation of operational cost control mechanisms.

SOLUTIONS ARCHITECT

06/2017 to 04/2021

Cognizant Technology Solutions | Healthcare Client | Chicago, IL

- Led strategic discussions on digital transformation and migration roadmaps for customers, collaborating with the Enterprise Architect and leadership for Benefit and Claims applications.
- Designed and developed highly available and scalable microservices for Claim processing using Spring Boot, resulting in a 40% reduction in Claim processing time.
- Extensive expertise in defining and implementing API strategies, with a focus on an API-first approach, to establish robust and scalable API ecosystems.
- Received recognition for designing and implementing a highly available and fault-tolerant API infrastructure, ensuring uninterrupted service availability, and minimizing downtime for critical business processes.
- Developed and implemented performance optimization strategies for APIs, leading to a significant reduction in response times and improved scalability to handle increased user loads.
- Successfully managed peak traffic by implementing an asynchronous model to support Lambda APIs and backend load.
- Built robust CI/CD pipelines in AWS environment using Git, AWS CodePipeline, Jenkins and Terraform, achieving a 50% reduction in release times.
- Extensive experience in integrating ANSI X12 Benefit Inquiry 270/1 & Claim Status Inquiry 276/7 copybook transactions with EDI standards.
- Proficient in AWS cost optimization strategies, including right-sizing, elasticity, and demand management, leading to improved ROI.

TECHNICAL ARCHITECT / TEAM LEAD

09/2014 to 05/2017

Cognizant Technologies Solutions | Insurance Client | Hartford, CT

- Refactored a legacy Insurance Claim Processing application into microservices using Spring Boot and deployed on on-premises PCF instances.
- Led integration projects with new third-party insurance providers, streamlining data exchange via ACORD XML and boosting claims settlements.
- Worked closely with third-party reinsurance providers to gather project requirements and facilitate seamless integration, ensuring timely and efficient delivery of project milestones.
- Collaborated with Architects, Product Owners, and Leadership to develop modernization roadmaps, analyze current system landscape and data flows, identify key pain-points and provide actionable recommendations.