JAINISH PATEL

Cloud Architect/ Infrastructure Engineer

📞 (224)355-2132

@ jainishcloudarch@gmail.com

🔗 https://www.linkedin.com/in/jainishpatel35/

📍 Columbus, Indiana

SUMMARY

Certified AWS Solutions Architect and meticulous Enterprise/Solution/Infrastructure/IT Architect dedicated to enhancing system design and operations for seamless workflow management. Proficient in researching and implementing cost-effective security and encryption solutions, prioritizing user privacy and optimizing network health. Skilled in developing clear guidelines and troubleshooting documentation tailored for non-technical personnel.

EXPERIENCE

Sr. Software Engineer

Cummins Inc.

📅 11/2019 - Present   📍 Columbus, Indiana, United States

- Designed and implemented AWS architectures for flagship products, resulting in a remarkable 35% reduction in infrastructure costs and improved system performance.
- Developed automation tools and processes using CloudFormation and Bash scripts, achieving a 40% reduction in deployment times and a 60% decrease in manual errors.
- Collaborated with the DevOps team to implement a CI/CD pipeline, resulting in a 50% reduction in deployment time and a 20% increase in team productivity for a web application.
- Led the migration of a legacy on-premises application to AWS, implementing autoscaling and continuous monitoring. Achieved a 30% increase in system availability and a 20% reduction in operational costs.
- Designed and implemented an AWS IoT-based solution for a smart EDGE Devices project, resulting in an efficient and scalable system utilizing AWS IoT Core, AWS Lambda, AWS RDS, and AWS SNS.
- Implemented analytics and monitoring using AWS CloudWatch, Elasticsearch, and Kibana, improving application performance tracking, user behavior analysis, and business metrics identification.
- Defined and enforced network architecture and security policies using AWS VPC, security groups, NACLs, VPN, AWS Shield, and AWS WAF, ensuring compliance with industry regulations and company standards.
- Spearheaded the design and implementation of an AWS IoT-based solution for a smart EDGE Devices project, leveraging key technologies including AWS IoT Core, AWS Lambda, AWS RDS, and AWS SNS. Achieved the development of an efficient and scalable system.
- Developed robust AWS IoT policies, rules, and device shadows to establish secure and reliable communication channels between devices and cloud services, ensuring data integrity and confidentiality.
- Executed the construction and deployment of AWS Lambda functions in response to AWS IoT events, enabling seamless real-time data processing and triggering downstream actions for enhanced system responsiveness.
- Conducted code reviews and provided constructive feedback to other software engineers, resulting in improved code quality and knowledge sharing.
- Engaged in Agile development within a Scrum methodology, actively contributing to all phases of the SDLC, including planning, design, development, testing, and deployment.
- Leveraged Jira and Confluence to meticulously track progress, manage backlog, and uphold project documentation, fostering transparency and alignment across multifunctional teams.
- Took charge in leading cross-functional teams, fostering collaboration with stakeholders, and delivering mentorship to interns and junior engineers. Played a pivotal role in cultivating a positive work culture and facilitating knowledge sharing.

LANGUAGES

English   Advanced

Gujarati   Native

Hindi   Proficient

CERTIFICATION

Certified SAFe® 6 Architect
Scaled Agile, Inc.

Microsoft Certified: Azure Administrator Associate
Microsoft

Microsoft Certified: Azure Fundamentals
Microsoft

Programming Foundations: Algorithms
LinkedIn

Amazon Web Services Developer - Associate
Amazon Web Services (AWS)

Learning Nagios
LinkedIn

Programming Foundations: Fundamentals
LinkedIn

AWS Certified Solution Architect - Associate
Amazon Web Services (AWS)

AWS Fundamentals: Going Cloud-Native
Amazon Web Services (AWS)

AWS Cloud Practitioner
Amazon Web Services (AWS)

EXPERIENCE

AWS Engineer

LiveTechnology Holdings, Inc.

📅 09/2017 - 10/2019   📍 Tuxedo Park, NY, United States

- Designed and implemented a highly available and scalable cloud infrastructure on AWS for a SaaS startup, resulting in a 30% increase in system performance and a 25% reduction in infrastructure costs.
- Design and deploy AWS infrastructure for multiple projects, including EC2 instances, S3 buckets, RDS instances, and VPCs, ensuring high availability, scalability, and security.
- Automate infrastructure provisioning, configuration, and deployment using AWS CloudFormation and AWS CLI, reducing manual errors, and improving efficiency.
- Configure and maintain AWS services such as AWS Elastic Load Balancer (ELB), AWS Route 53, AWS CloudFront, and AWS Identity and Access Management (IAM), ensuring secure and reliable operation.
- Implement AWS security best practices, including network segmentation, identity and access management, encryption, and auditing, ensuring compliance with industry standards and regulations.
- Monitor AWS infrastructure using AWS CloudWatch, AWS Config, and AWS Trusted Advisor, identifying and resolving issues proactively, resulting in improved uptime and availability.
- Collaborate with development teams to optimize application architecture for AWS deployment, utilizing services such as AWS Lambda, AWS API Gateway, and AWS Elastic Beanstalk, resulting in improved scalability and performance.
- Implemented and maintained AWS security best practices, including IAM, security groups, NACLs, and encryption, ensuring data confidentiality, integrity, and availability.
- Migrated on-premises infrastructure to AWS, including virtual machines, applications, and databases, using AWS Database Migration Service (DMS), and AWS Schema Conversion Tool (SCT), resulting in improved agility, scalability, and cost-effectiveness.
- Built and maintained CI/CD pipelines using AWS CodePipeline, AWS CodeBuild, and AWS CodeDeploy, enabling rapid and frequent deployments, and reducing downtime.

Network Administrator

INSIGNIA Technolabs

📅 06/2014 - 07/2015   📍 Ahmedabad Area, India

- Designed and maintained the company's network infrastructure, enhancing security and reliability by implementing routers, switches, firewalls, and wireless access points.
- Monitored and optimized network performance, resolving issues and improving efficiency, resulting in increased uptime.
- Configured and maintained network security systems, including firewalls, to safeguard against potential threats.
- Managed intrusion detection/prevention systems, bolstering overall security measures.
- Achieved a 99.9% uptime rate for VPNs, ensuring consistent data confidentiality, integrity, and availability.
- Configured and maintained critical network services (DNS, DHCP, LDAP) for efficient network management and user authentication.
- Implemented centralized management for network devices and software, ensuring consistent configurations and efficient updates.
- Maintained network authentication and authorization systems (Active Directory, LDAP) to ensure secure user access and authentication.

SKILLS

Python   HTML/CSS   React

MySQL   PostgreSQL   DynamoDB

CI/CD   GIT   Software Architecture

Testing   Debugging

Problem-solving   Communication

Collaboration   Agile/Scrum

AWS Lambda   AWS EC2   AWS S3

AWS CodeCommit   AWS CodeBuild

AWS CodePipeline   CloudFormation

AWS RDS   SQS   SNS   IoT Core

VPC   WAF   Route 53   SSM

Secret Manager   Trusted Advisor

Cost Explorer   API Gateway   KMS

Customer Support   Code Review

Process Automation

Technical Leadership   AWS ECS

Continuous Delivery

Continuous Integration   Docker

Disaster Recovery   JSON   Windows

Powershell   Shell Script

Cloud Architecture   Containers

Requirements Gathering   IAC

AWS Cloud   Aurora   Microservices

Draw.io   REST APIs   Microsoft Azure

Documentation   Cloud Security

OAuth   SAML   SSO   YAML

INDUSTRY EXPERTISE

Domain Knowledge

Specialized Technologies

EXPERIENCE

Intern - network administrator

POSIMYTH Innovations

📅 12/2013 - 05/2014   📍 Ahmedabad Area, India

- Assisted in configuring, maintaining, and troubleshooting LAN, WAN, and WLAN environments, developing expertise in network operations and troubleshooting.
- Contributed to the implementation of network security policies, including firewalls, VPNs, and intrusion prevention systems, acquiring knowledge in network security practices.
- Installed and maintained network hardware and software, encompassing routers, switches, firewalls, and wireless access points, gaining insights into network infrastructure and equipment.
- Developed knowledge in DNS, DHCP, and IP address management, actively participating in IP address allocation and management tasks.
- Played a role in configuring and maintaining network authentication and authorization systems, such as Active Directory and LDAP, gaining hands-on experience in user access and authentication.
- Contributed to the development of comprehensive network documentation, including topology diagrams.
- Ensured effective resource management by maintaining documentation for hardware and software inventory.
- Upheld documentation accuracy through regular updates to network configuration files.

EDUCATION

Master of Science (M.S.), Computer Science

San Francisco Bay University

📅 08/2015 - 06/2017

Bachelor of Engineering (B.E.), Computer Engineering

Gujarat Technological University Ahmedabad

📅 08/2009 - 06/2014

PROJECTS

Online Car Selling System

📅 08/2013 - 05/2014   📍 Ahmedabad, India

The system facilitates direct engagement between users and dealers for "Car Services," addressing customer queries on buying and selling cars. It allows dealers to post car details, enabling customers to view, search, and contact dealers. Additionally, it supports car comparisons and provides information on upcoming cars and the Automobile Industry.

- I successfully achieved a favorable outcome through the implementation of the system as part of my bachelor's final year project. The platform significantly improved the efficiency of car transactions, leading to a notable 30% increase in user engagement. This increase indicates heightened interest and enhanced utilization of the service by both customers and dealers.

KEY ACHIEVEMENTS

💎 **Hackathon Victory**

Successfully developed an innovative solution within a tight timeframe, showcasing adaptability and creativity.

💎 **Employee of the Month**

Acknowledged for outstanding contributions to project success, effective collaboration, and dedication to achieving excellence in software development.

INDUSTRY EXPERTISE

Compliance and Security

Problem Solving

Cross-functional Collaboration

Architecture Design

Software Development

TRAINING / COURSES

Advanced Database Administration

Advanced Database Design and Analysis

Advanced Structured Programming and Algorithms

Big Data Processing - MapReduce Programming

Data Mining and Business Intelligence

Data Modeling and Implementation Techniques

Introduction to SAS

Java and Internet Applications

Network Analysis & Testing

Web Front-end Programming for Mobile Devices