DEEPANRAJ

Cloud Engineer and Deployment Specialist   ☐ +91-9629096218

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OBJECTIVE:

Results-driven Cloud Engineer with a proven track record, boasting 5 years of extensive experience in architecting, developing solution, and optimizing solutions on Microsoft Azure and Amazon Web Services (AWS). Certified in Azure and AWS Cloud engineering, acknowledged as a Microsoft Security Researcher [CVE-2021-24113], I bring a unique blend of security expertise to cloud environments. Furthermore, my role as a recognized Monday.com SaaS Integration and Automation SME has contributed significantly to streamlining project management workflows. Adapt to both Agile and Waterfall methodologies underscores my commitment to driving successful project outcomes. I am currently seeking a challenging role where I can leverage my extensive knowledge, contribute my expertise to revolve cloud designing, implementing and technical requirement for organization.

PROFESSIONAL EXPERIENCE:

- Working as Cloud Engineer in Accenture ATCI (Advanced Technology Centers in India) from November 2021 to present

- Joined as a fresher and got promoted to Technical Lead in Cognizant Technologies Solutions from November 2017 to November 2021

PROJECTS AND RESPONSIBILITIES:

Organization: ACCENTURE

Technology: AWS cloud services [Lambda, SQS, S3, RDS, EKS], Monday API and GraphQL

Designation: Application Development Engineer

Duration: November 2021 to present

Role:

AWS cloud Integration Specialist with a core focus on Monday.com for tracking migration status, my primary responsibility revolves around seamlessly integrating Monday.com with AWS Lambda, S3, and SQS. I specialize in optimizing API payload processing, ensuring secure and scalable data storage, and implementing a robust queue mechanism for efficient task management within the integrated ecosystem. Deep understanding migration tasks for tracking boards involves a comprehensive approach to seamlessly transfer data and functionalities from one environment to another.

Responsibilities:

- Architecting Seamless Data Integration: Leveraging the robust capabilities of the Monday.com API, I engineered a dynamic system that seamlessly integrated data retrieval from both AWS S3 and Snowflake databases, RDS, ensuring a comprehensive and unified approach to update the items up to date for migration strategy.

- Integration with Third-Party Tools: Integrated Monday.com with external tools through GraphQL API, establishing seamless data flow and connectivity across the project management ecosystem.

- Monday.com Integration and GraphQL API Expertise: Orchestrated the seamless integration of Monday.com as a central project management and collaboration tool, leveraging GraphQL API to enhance data retrieval and manipulation. Designed and executed GraphQL queries within Monday.com, tailoring queries to meet specific reporting and analytics requirements and maximizing the platform's capabilities.

- Workflow Automation: Engineered advanced automation solutions within Monday.com using GraphQL API, effectively streamlining repetitive tasks, reducing manual efforts, and optimizing overall processes. Utilized GraphQL API to automate data transformations, ensuring seamless integration with external tools and improving overall workflow efficiency.

- Customization and Configuration with GraphQL: Tailored Monday.com to specific project and team requirements through custom fields, views, and GraphQL API-based data manipulations. Applied GraphQL API to configure advanced data structures, dependencies, and customizations within Monday.com, aligning with project priorities.

- GraphQL API Query Development: Developed and executed GraphQL API queries to extract specific data sets from Monday.com, enabling tailored reporting and analytics for project stakeholders.

Organization: COGNIZANT TECHNOLOGY SOLUTIONS

Technology: CSP-Azure, AWS

Designation: Technical Lead

Duration: November 2017 to November 2021
Role:

Proven expertise in architecting and managing 32 shared customer cloud environments, with a focus on Microsoft Azure and AWS solutions. My experience encompasses end-to-end design, deployment, and optimization of scalable solutions, ensuring seamless integration, high availability, and robust security measures. I specialize in building and maintaining hybrid cloud environments, seamlessly connecting on-premises infrastructure for critical issues as POC for datacenter.
Responsibilities:

- Azure Cloud Services: Architected, deployed, and managed scalable solutions on Microsoft Azure, encompassing services such as Virtual Machines, Azure SQL Database, Azure Storage, and Azure Virtual Networks

- AWS Cloud Solutions: Led the design and implementation of AWS cloud solutions, leveraging services like EC2, S3, RDS, Lambda, and VPCs.

- Hybrid Cloud Environments: Engineered hybrid cloud environments, seamlessly connecting on-premises infrastructure with Azure and AWS services for a unified and scalable architecture. Acted as a point of contact for data center-related responsibilities, overseeing coordination and communication with data center teams to ensure optimal performance and resource allocation.

- Cloud Security: Implemented robust security measures, including network security groups, encryption, and identity access management, ensuring compliance with industry standards.

- Automation and Scripting: Developed and maintained automation scripts using node.js/python and AWS CLI for efficient cloud resource provisioning and management.

- Monitoring and Optimization: Implemented monitoring solutions with Azure Monitor and AWS CloudWatch to proactively identify and resolve performance issues, optimizing resource utilization.

- Collaboration and Documentation: Collaborated with cross-functional teams, providing technical guidance and support for cloud-related initiatives.

- POC On-Site Data Center Coordination: Proficient in overseeing and managing data centers, including locations such as Sterling, Slough, Houston, Chandler, and Denver. Experience in resolving on-prem server issues related to firewall access, tape management, and physical server access. Coordinated with on-site managers to raise and manage vendor support tickets for timely issue resolution. Demonstrated proficiency in vendor communication and collaboration to address on-premises challenges.

HACKATHON MIT LICENSED PROJECTS:

1-Microsoft-Azure-Innovation-Challenge - [Git Repo](#)

Implemented API Management to enhance application security, enabling seamless API packaging for developers and partners. Streamlined onboarding with a self-service portal, providing comprehensive documentation and an interactive API console for efficient developer.

2-Microsoft-Azure-Hacks-2023 - [Git Repo](#)

AI-BOT: Automated medical appointment scheduling, confirming bookings via email, and streamlining insurance claims with Cosmos DB integration for efficient validation and document submission.

Data Analytics: Utilized Azure Data Factory for seamless analysis, structuring unorganized patient records and insurance data, stored in Azure Blob container, enhancing visualization and eliminating repetitive calculations.

3-Microsoft-Identity-For-All - [Git Repo](#)

Developed web app enabling secure access for customers and business groups through Single Sign-On (SSO) and Multi-Factor Authentication (MFA). Implemented social identity for B2C access and business organization account integration for B2B applications, ensuring robust authentication mechanisms for both user segments.

4-AWS-Counterfeiting-Hackathon - [Proposed Solution Article](#)

Enabled solution for product authentication through TCC QR codes on batch or serialization levels for smart products. Consumers can utilize ordinary smartphones to scan the QR code, triggering a product authentication check against its digital record on the TCC Platform, providing instant confirmation of the product's authenticity.

5-Microsoft-Malware-Detection-Azure-Sentinel - [Git Repo](#)

Created Malware Threat Detection Solution, ensuring cybersecurity with advanced detection against backdoors, password stealers, ransomware, trojans, and worms to fortify against diverse cyber threats. Proactively defends against remote access, unauthorized data collection, file encryption, deceptive malware, and contagious spread through file sharing.

TECHNICAL KEY SKILLS:
- Cloud Platforms: Design, implement, and manage solutions on Azure and AWS.
- Migration Proficiency: Optimize performance and implement redundancy strategies like 6PR.

- Deployment Strategies: In-depth knowledge of Blue-Green Deployment methodologies.
- Monday.com Integration and Automation: Monday.com SaaS integration and automation.
- Project Management Tools: Utilize Jira for collaborative planning (Agile) and Azure DevOps Dashboard for project tracking (Waterfall).
- Effective Communication: Foster open communication through regular updates, sprint reviews, and demonstrations.
- CI/CD, Git, and Jenkins: Implement CI/CD pipelines using Git and Jenkins.
- Data Engineer: Hands-on experience in Azure Data Factory for ETL.
- API: Skilled in GraphQL API development, schema design, and query optimization.
- Security Best Practices: Implement robust error control mechanisms.

TECHNICAL CERTIFICATIONS:
- AZ-104: Microsoft Certified: Azure Administrator Associate - 2023
- AZ-305: Designing Microsoft Azure Infrastructure Solutions -2023
- AWS Partner: Accreditation (Technical) AWS -2023
- CSI Linux Certified Investigator CSI -2023
- AWS Certified Solutions Architect – Associate AWS – 2021

AWARDS AND RECOGNITION:

INTERNAL	EXTERNAL
Accenture Stellar Award Q1 Winner- 2024	Microsoft Data factory KQL Hack-2023
Accenture Growth Catalyst award -2023	Microsoft Kusto Detective Gold Star-2023
Accenture Monthly Townhall Awards - July 2023	MSUS Cloud Skills Challenge Champion-2022
Accenture Act As A True Partner - JAN 2023	Azure Identity and Access Management-2022
Accenture Client Value Creation - MAY 2023	Microsoft Security Researcher Program MSRC-2021
Accenture Stellar Award Q2 2023	Google MASS Private Security Researcher-2021
Cognizant Star Of The Month - March 2021	LENOVO Private Program Security Researcher-2021
Cognizant Rockstar Award - NOV 2020	TIDE POOL Private Program Security Researcher-2021
Cognizant Best Performer Award - JUN 2019	Microsoft Community GPS Hacks - 2021
Cognizant Hall Of Fame -August 2018	Cisco Verified level -200 -2017

DECLARATION:

I do hereby declare that the details furnished above are true to the best of my knowledge and ability.

PLACE: Coimbatore   Yours Sincerely,

DATE: 26-02-2024   **(DeepanRaj)**