SHIVAM MUNGRA

Entry Level Cloud Architect | Software Engineer

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SUMMARY

Entry level Software Engineer having experience in designing and implementing secure, scalable, and reliable cloud solutions across Azure and AWS environments. Adept in leveraging modern software development, DevOps, and Site Reliability Engineering (SRE) practices to deliver high-quality solutions. Proven leadership in driving projects from inception to completion, with a focus on cloud security, automation, and operational excellence.

EXPERIENCE

Jr. Cloud Architect (Co-Op/PT)

Sheridan College   📅 May 2023 – Dec 2023   📍 Oakville, ON

- Implemented **IaC** environments using **Terraform** for **enhanced Azure and AWS platforms efficiency, leading to a 40% increase in deployment efficiency and a 30% reduction in operational costs**
- **Built and optimized CI/CD pipelines** using **Jenkins, Azure DevOps, and shell scripting**, focusing on **security and efficiency**
- Engaged in **scripting and automation using Bash and Python, streamlining operational workflows**
- Developed a **real-time data analytics PoC, securing connectivity** using **Kafka, Docker, and Azure Kubernetes**
- Collaborated in **Agile** environments, **contributing to continuous integration and deployment processes**

Enterprise Architecture Analyst (Co-Op/PT)

Sheridan College   📅 Jan 2022 – April 2023   📍 Oakville, ON

- Developed **Virtual Machine Scheduler automation on Azure and AWS saving thousands of dollars per month**
- Successfully integrated **Azure Advisor for real-time security insights, boosting Azure environment's security by 50% and optimizing compliance**
- **Successfully transitioned and optimized DevOps workloads** to the **Azure DevOps** platform, **enhancing operational efficiency and system reliability**
- Created a **cloud-to-cloud VPN tunnel** for **channeling traffic privately** through a network Tunnel **between Azure and AWS resources**
- **Structured organizational standards** creating and applying **Azure Policies** to granular and management level

ACHIEVEMENTS

- Essential Google Cloud Infrastructure: Foundation
- Google Cloud Fundamentals: Core Infrastructure
- Cardano Solution Architect
- Cardano Developer Professional
- LinkedIn Learning Python | LinkedIn Python Standard Library Essential Training
- Gujarat State Champion in Roller Skating

SKILLS

- **Cloud Platforms**: Azure, AWS
- **CI/CD & DevOps Tools**: Jenkins, Artifactory, Git, Azure DevOps, Docker, Kubernetes
- **Scripting & Programming**: Python, C#, JavaScript, TypeScript, PowerShell, Java, Haskell, SpringBoot, Angular, React, NextJs, Bootstrap, Tailwind
- **Infrastructure-as-Code**: Terraform, Azure Blueprint, CloudFormation
- **Serverless Technologies**: Azure Functions, AWS Lambda, Serverless Framework
- **Security & Compliance**: IAM, Network Security, Encryption, Cloud Audit
- **Other**: Data ETL Processing, RESTful APIs and Webhook development, JSON, ARM, YAML, Linux, Windows, Agile, Scrum, Kanban, Problem-solving, Communication, Leadership skills

EDUCATION

Computer Systems Technology - Software Development and Network Engineering Co-Op Advanced Diploma **Sheridan College**   📅 Sept 2020 - Dec 2023   📍 Brampton, Canada
Graduated with Honors GPA 3.79/4.0

High School - Science Stream (Mathematics) **Swaminaryan School**   📅 April 2017 - April 2019   📍 Gujarat, India
98% in Computer Science & 91% Overall

PROJECTS

Loyalty Points System on Blockchain (Cardano, Plutus, Haskell, React, TypeScript)   Developed a **decentralized application** on Cardano rewarding users with points convertible to ADA tokens for time spent on e-commerce sites. Implemented **wallet connectivity** and time-tracking with **smart contract** integration for points validation and token conversion. Implemented comprehensive testing strategies to ensure robustness and reliability.

Podcast Management Platform (Azure, Java, SpringBoot, HTML, CSS)   Developed a **web-based platform** for efficient podcast hosting and distribution, **integrated with Azure** for scalable content management. Focused on user-friendly interface and robust backend functionality, ensuring a seamless user experience.

DSL for Database Queries (Haskell, SQL)   Developed a **Haskell-based domain-specific language** for querying **educational data, showcasing functional programming and type-safe query construction**. Implemented **custom data types and monadic query functions**, demonstrating advanced Haskell features.