GURSIMRAN SINGH

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SUMMARY

A cloud DevOps engineer expert with 7 years of experience in technology roles across financial services, education, and IT sectors. A specialist in cloud architecture, container orchestration, and infrastructure automation, delivering enhanced scalability, site reliability, performance, security, and cost efficiency in cloud environments.

SKILLS

Cloud Platforms: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
Cloud Architecture: Scalable and reliable infrastructure, Solution Design & Proposal, Microservices, Serverless
Container Orchestration: Docker, Kubernetes, EKS (Elastic Kubernetes Service)
Infrastructure as Code (IaC): Terraform, Terragrunt, OpenTofu, CloudFormation (CFN), ARM, CDK, Ansible, Helm
CI/CD Pipelines: Jenkins, GitHub Actions, GitLab, AWS CodePipeline, Azure DevOps, ArgoCD
Programming: Python, Bash, Go, JavaScript, PowerShell, Typescript

EXPERIENCE

Uberflip, Toronto, Canada
Nov. 2021- Present
The Martech SaaS firm with ~200 employees, partnering with AWS, CapitalOne, and Autodesk, specializes in content experience.
Cloud Engineer (Remote)
Architected AWS and Azure cloud environments, led incident response, performed proactive maintenance, modernized platform components, and improved processes. Enhanced platform performance and scalability with an agile and distributed team of 8.
- Led Azure and AWS infrastructure design and management, emphasizing security and compliance during cloud migration, enhancing platform performance by 25%.
- Migrated apps and databases to EKS (Kubernetes) and AWS Aurora, enhancing scalability and cutting latency by 30%.
- Architected scalable network designs, boosting performance by 20% and enabling 50% application scalability.
- Authored and maintained IaC with Terraform, used IaC to deploy resources in the cloud, and provided 24/7 on-call support.
- Developed Golang microservices with comprehensive test suites, boosting development efficiency by 30%, and integrated GitHub Actions to streamline CI/CD processes.

Morgan Stanley, Montreal, Canada
Aug. 2020 - Nov. 2021
The global investment firm with ~80,000 employees, specializing in financial services, asset management, and investment banking.
Cloud Engineer (Remote)
Worked in an agile and distributed team of 13 Cloud Engineers to enhance platform technology, define technical priorities, architect and manage AWS environments, and improve developer experience through automation and monitoring tools.
- Engineered AWS, Azure, GCP cloud orchestration framework with IAC & PAC principles, cutting deployment time by 30%.
- Orchestrated highly scalable services in a production environment supporting large-scale, mission-critical applications harnessing up to 1000 cores for extensive computations.
- Managed and architected AWS cloud environments using Terraform, ensuring efficient and reliable infrastructure deployment and provide 24/7 on-call support.
- Automated dashboard creation, monitoring setup, and cloud landing zone creation with Python apps, saving 15 hours weekly.
- Partnered with Data Scientists to optimize GenAI infrastructure on AWS Sagemaker, improving model deployment by 25%.
- Developed and enforced security protocols for AWS environments using AWS Config and Guard Duty, ensuring compliance with industry standards.

[Concordia University](#), Montreal, Canada
Sep. 2018 - Jul. 2020
A leading Canadian educational institution with world-class programs in education, accounting, and computer science.
DevOps Engineer
Managed cloud infrastructure and IT support for Microsoft technologies, disaster recovery, network security, and remote access solutions. Enhanced service delivery and customer satisfaction.
- Designed, set up, and documented systems on AWS, ensuring optimal performance and reliability for university services.
- Delivered first-line IT support, resolving software, hardware, and networking issues for faculty, staff, and students.
- Implemented and supported disaster recovery solutions, maintaining compliance with security policies and procedures.
- Partnered with IT teams to enhance service and optimize support, applying DevOps principles for continuous improvement.

[Auribises Technologies](#), India
Dec. 2016 - Aug. 2018
A dynamic IT services firm with 50 employees, specializes in developing and maintaining cloud-based solutions for clients like TCS.
Cloud Developer
Built and maintained Android apps using Java on AWS cloud, ensuring robustness and reliability. Managed AWS accounts and led a team of 10 developers.
- Developed and maintained Android apps using Java on AWS cloud, ensuring robust and reliable performance.
- Implemented unit tests to ensure code robustness, including edge cases, usability, and general reliability, enhancing overall security.

EDUCATION

Master of Applied Computer Science, [Concordia University](#), (Montreal, Quebec, Canada)

Bachelor of Computer Science, [Punjab Technical University](#), (Punjab, India)

Additional Professional Development:
- [AWS Certified Security Speciality](#) (2023)
- [AWS SysOps Administrator Associate](#) (2022)
- [AWS Solutions Architect Associate](#) (2021)
- [AWS Certified Developer Associate](#) (2021)

VOLUNTEERISM

[təməsew̓txʷ Community Centre](#), BC - Concierge Volunteer: Assist visitors, resolve issues, enhancing communication and problem-solving skills. (2024)
[Uberflip](#) - Culture Committee member: Plan events, boost engagement by 25%, demonstrating teamwork and project management. (2022 - 2024)
[Morgan Stanley](#) - Tech. Analyst Program Peer Advisor: Mentored junior analysts, and improved project efficiency by 15%, showcasing leadership and technical expertise. (2021)

OTHER RELEVANT INFORMATION

Additional Languages: French (Beginner), Hindi (native fluency), Punjabi (native fluency)
Technical Skills: Strong skills around observability, troubleshooting, debugging and performance solutions, Database - SQL, NoSql, Linux System Administration, Monitoring and Logging - Prometheus, Grafana, CloudWatch, Splunk, New Relic, ELK Stack (Elasticsearch, Logstash, Kibana), Datadog, Cloud Native technologies, Protocols like HTTPS, SSL, OAuth2, OIDC, SSO, SAML, VPN, Web sockets, TCP/IP networking skills, Deployment Strategies - Blue-Green, Canary, and A/B Testing, Site Reliability Engineering (SRE), Test-Driven Development (TDD), Software engineering principles, dependency injection, composition, AWS Services - EC2, ECS, EKS, Fargate, EventBridge, Lambda, Step Functions, API Gateway, SQS, SNS, ELB, S3, CloudWatch, IAM, KMS, VPC, DynamoDB, RDS, Route53, Security Hub, Sagemaker, GuardDuty, Config, Transit Gateway