Suhail Menda

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💼 suhailmenda/portfolio

Technical Skills

Cloud: EC2, S3, VPC, DynamoDB, RDS, EKS, ECS, SQS, Lambda, CodePipeline, SNS, Boto, CDK

Framework & Languages: Django, NodeJS, HTML, CSS, Javascript, Python, Bash, Data Structures and Algorithms

Configuration Management & CI/CD: Ansible, Jenkins, GitHub Actions, ArgoCD, CirleCI

Container Orchestration & Databases: Docker, Kubernetes, EKS, PostgreSQL, MongoDB

Networking & Monitoring: VPN, HTTP, TCP/IP, Prometheus, Grafana, Splunk, CloudWatch

Server Administration and Version Control: Linux, Git

Education

Northern College	**Sept 2023 - Dec 2024**
Information Technology	*Toronto*

Gujarat Technological University	**GPA - 7.4/10**	**Sept 2016 - Aug 2020**
Bachelor of Engineering		*Ahmedabad — India*

Work Experience

Crest Data Systems   **May 2021 – July 2023**
Site Reliability Engineer

- Led the migration of **50+** Splunk stacks to AWS, ensuring zero data loss, zero downtime, and smooth cutover with full system uptime. Overcame challenges in network latency, and scalability.
- Transitioned legacy customer's stacks from classic to scalable architecture, designing the entire infrastructure using **Terraform and Ansible**. Implemented ASG with **CloudWatch** monitoring, resulting in a 10% faster indexing
- Developed a solution with **Python** for internal company use to remove manual checking of apps and automated the process of apps pre-checks, installation and integrated it with existing CI/CD **Jenkins** pipeline.
- Deployed a multiregion PayPal stream processing stack that used Apache Pulsar and Flink within a **Kubernetes** cluster. Developed **Prometheus**-based dashboards for effective cluster monitoring and performance tracking.
- Performed maintenance on the PayPal Kubernetes cluster, acting as the primary incident point of contact, managing new version rollouts for Apache Pulsar, Flink, and Kubernetes, and providing **24/7 on-call support**.
- Architected and provided support for peak event operations during Black Friday at PayPal, successfully mitigating a **DDoS attack** while managing high server loads and ensuring GB/s data processing capabilities.

Staples Canada   **Nov 2023 – Current**
Wireless Sales Associate - Part Time

- Led a team of two sales associates, driving 20% above sales targets by effectively selling wireless plans and phones, while ensuring excellent customer service and training new team members on product knowledge and sales strategies.

Certifications

AWS Solutions Architect Associate	**Achieved**

Certified Kubernetes Administrator	**Preparing**

Projects

Multi-Service Docker Application   **Docker | Node.js | MongoDB | Redis | Nginx**

- Developed a multi-service application using Docker Compose, integrating Node.js API, MongoDB, Redis, and Nginx with custom images, multi-stage builds, and optimized Dockerfiles
- Implemented secure communication, persistent storage, health checks, logging, and log rotation for all services, ensuring efficient performance and reliability

Comprehensive Server Monitoring System   **Prometheus | Grafana | Nginx | Node.js**

- Implemented a server monitoring system using Prometheus for metric collection and Grafana for visualization, tracking system and application metrics like CPU, memory, disk, and network usage
- Set up custom Prometheus exporters, configured Grafana dashboards, and implemented alerting for real-time insights into server health and resource utilization