Aditya Jain

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Professional Summary

DevOps Engineer specializing in **cloud-native platforms** (**Azure** and **AWS**) with hands-on experience in **Kubernetes** and **OpenShift** workload management, **Helm**-based deployments, and **Infrastructure as Code** using **Terraform**. Skilled in building automated **CI/CD pipelines** through **GitHub Actions** and **Azure DevOps** to enable reliable, scalable delivery. Strong background in **containerization** and **cloud optimization**. Previously focused on **.NET backend developmen**t and **Web APIs**, bringing a developer's mindset to **platform engineering** for building **resilient**, **cost-efficient**, and **high-performing systems**.

Work Experience

- **Siemens Technology and Services** (*Senior Developer - Apr 2023 to Present*)

  - Provisioned resources like: **VPC, RDS, EKS, TransitGateway** using **Terraform**, deepening my expertise in cloud infrastructure.

  - Reduced infra costs by **35-40%** by managing and optimizing **OpenShift** and **Kubernetes** clusters and workloads.

  - Deployed multiple applications using **Helm charts**, ensuring scalability and streamlined release management.

  - Set up and maintained **SonarQube (5,000+ projects, 2TB DB)** to enforce enterprise code quality.

  - Reduced DB size by **50%** and automated DB maintenance tasks (**vacuuming, archiving**) via **CronJobs.**

  Tech Stack: Terraform, AWS, Kubernetes, Openshift, Helm, Docker, SonarQube

- **CitiusTech Healthcare** (*Software Engineer - Dec 2021 to Mar 2023*)

  - Developed and optimized **REST APIs** with ASP.NET Core, EF Core, LINQ, JWT, enhancing interoperability.

  - Implemented **Hangfire background jobs** for event notifications and task automation.

  - Built **microservices** for **Practice Management System** (patients, doctors, admin) including scheduling and reporting.

  - Containerized microservices with **Docker Compose**, strengthening my understanding of **Microservice achitecture**

  Tech Stack: C#, ASP.NET Core, Web API, EF Core, SQL Server, Hangfire, NUnit, Angular (basic exposure), Docker

- **Sagitec Solutions** (*Jr. Software Engineer - Jun 2019 to Dec 2021*)

  - Contributed to **Ohio Unemployment Insurance System**, streamlining unemployment claims and payments for U.S. states.

  - Built dashboards and reports for **wages, benefits, eligibility checks**, used by thousands of claimants.

  - Wrote optimized **SQL queries** and **LINQ expressions** to handle high-volume transactions.

  - Started as **Intern** on same project before promotion.

  Tech Stack: C#, .NET Framework, MVC 5.0, LINQ, SQL Server, Git

Highlighted Skills

- **DevOps and IaC**: Kubernetes, EKS, AKS, OpenShift, Helm, Docker, Terraform, Azure Resource Manager, GitHub Actions

- **Cloud Platforms**: Microsoft Azure, AWS

- **Monitoring**: Prometheus, Grafana, Opensearch, Logstash, Azure Monitor, AWS CloudWatch

- **Networking:** Azure VNet, AWS VPC, Application Gateway, Hub and Spoke, Transit Gateway

- **Storage:** Azure Blob Storage, AWS S3

- **Security:** Azure Key Vault, Service Principal, Managed Identity, Access Control (IAM)

- **Backend Development**: C#, ASP.NET Core, Web API, EF Core, LINQ, Microservices

- **Databases**: SQL Server, PostgreSQL, Crunchy Operator

Education

B.Tech - Computer Science and Engineering (2016-2020)

GLA University, Mathura

Specialization: **Cloud Computing and Virtualization**