

Vikas Lalwani

Staff Site Reliability Engineer

I get things running and keep them running.

~12 years. SRE Tech Leadership and building in-house DevEx/DevOps/Dev-Platform solutions.

Location Remote, India
Email vikaslalwani16@gmail.com
Phone +91-8800177117
Linkedin [vikaslalwani](#)

- Designing REST and Event Driven solutions on kubernetes.
- In-org customer interactions and product ownership,
- Designing automations using serverless and Chatops patterns
- Scalable applications in Cloud (mostly AWS)
- Kafka/ES/Cassandra at scale (1M+ tps), alongwith the infrastructure and operations for all of it.
- Setting up, automating and standardizing SRE and Devops deployment platforms

Skills

Projects

Teikametrics Jan 2022 - Present
Staff Site Reliability Engineer

Expedia Group Jul 2013 - Jan 2022
Software Development Engineer

IBM India Feb 2012 - Jul 2013
System Engineer

Devops -Teikametrics

Core Devops/Platform team for Teikametrics, overhauling and standardizing the devops methodologies as the Series B startup grows at a rapid pace

- Working closely with the tech **leadership** for adoption of industry standard Devops and SRE practices
- Application and system **design** with Dev teams
- **Automated** application **bootstrap** services
- **Scorecard** services for fully automated ops **compliance**
- Custom **kubernetes deployment platform** wrapped over open source tools like Argo and Helm
- ChatOps implementation using Slack and Argo Workflows
- Implemented **SLI/SLO/SLA** across org
- **Chaos** Engineering and Game Day Exercises
- Data sync initiatives for robust pre-release environments
- Managing Aiven **Kafka** and Connect using **Terraform**
- DataOps, MLOps around Databricks using terraform

Work Experience

Apache Kafka AWS / Hybrid Cloud

Argo/ Jenkins/ CircleCI IaC - Terraform

Chef/Packer Platform

Devops MLOps

Elasticsearch Postgres

Event Driven Architecture Datadog/ Grafana/ APM/ Splunk

Faust/ Kstreams Data Streaming

Kubernetes Cassandra

Python (Primary) Golang/Ruby/Java (Secondary)

Conversations Platform - Expedia Group

The next-gen virtual agent chatbot platform, that can be adopted across business domains with initial focus on travel industry

- Developed application health **scorecard** to measure **production-readiness** based on application health, SLOs, cost and other dimensions
- Monitoring, operations and automations around **Confluent** Cloud
- Conversations Platform **migration** from REST to **Event Driven** Architecture
- Generating real-time operational **insights** over chat data using **Faust** processors
- Migrating deployment pipelines and infrastructure from EC2/ECS to Kubernetes (EKS)
- Chaos Engineering and Game Day Exercises
- Implemented **SLI/SLO/SLA** based operations across Conversation platform
- Jenkins based SRE automations

Education		Projects
Swami Keshvanand Institute of Technology B.Tech, Information Technology	June 2007 - June 2011 70.5%	<p>Streaming Platform - Expedia Group</p> <p>Providing Confluent OSS (Kafka + Kafka Connect) as a fully managed streaming platform</p> <ul style="list-style-type: none"> Global Streaming data platform with an in-house stream registry REST based data ingestion into the EG's Kafka Clusters. Data conversion from raw JSON to avro and Protobuf, hence, easing the integration into already running microservices. Standardized and automated onboarding through application templates re-using the application bootstrap platform created earlier. Automated Kafka Connector monitoring and remediation. Creating custom Kafka Connectors tailored to the business use-cases. Example, S3, Cassandra, HTTP Sinks Achieving Kafka and Connect cluster uptime in accordance with the expected SLOs Interactions with global teams for migration and adoption <p>Doppler - Expedia Group</p> <p>A real-time analytics platform to monitor business and system events in EG. Consuming 10B+ messages/day and generating 50M+ trends, the system analyzed booking, traffic and clickstream events over 100s dimensions</p> <ul style="list-style-type: none"> Time Series aggregation, Anomaly Detection & notification services. Scalable microservices with Kafka, ES, Cassandra as core components, spanning across 500+ EC2 nodes. Deployment and e2e management and operations of high volume Apache Kafka(10B+/day), Cassandra(100TB+) and Elasticsearch clusters. Two in-house time-series data storage methodologies for real-time and batch data. Interactions with global teams for migration and adoption of the system <p>IOTA/Stratus - Expedia Group</p> <p>Fully-automated delivery platform for deploy and release pipelines(CI/CD) using microservices and AWS</p> <ul style="list-style-type: none"> Automations over AWS infrastructure with Chef, Ruby and AWS SDK. Platform for automated creation and management of bootstrapping applications longwith their CI/CD pipelines over Git and Jenkins. Automations using Python, Ruby. Advanced Splunk User, Graphite, Grafana and similar monitoring systems. Interactions with global teams for cloud migration and adoption of the new AWS based deployment platforms <p>Common Commerce Engine - IBM</p> <p>SHOP@IBM.COM powered by WCS to automate the store creation for sale of IBM's servers.</p> <ul style="list-style-type: none"> App support and dev with IBM proprietary technologies like WCS Deployment over websphere in data center servers Consistent delivery of monthly release patches.
Seedling Public School Senior Secondary (XII-th) CBSE	Mar 2004 - Mar 2006 77.6%	
Seedling Public School Higher Secondary (X-th) CBSE	Mar 1994 - Mar 2006 82.4%	