Hariom Vashisth

DevOps Engineer

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PROFILE SUMMARY

⇢ 6+ years of work experience, including programming and strong DevOps experience

⇢ Experience setting up entire architectures from scratch. (Kubernetes/Docker with Jenkins pipelines/ Monitoring etc.,)

⇢ Develop, maintain & own the Build and Release pipelines for docker/non-docker services for on-prem and cloud.

⇢ Support and maintain source code management and Implementation of security best practices in build pipelines.

⇢ Automate anything I can get my hands on, continuous improvement, and remove redundancy.

⇢ Experienced with K8's, ECS, swarm (container orchestration tools) with implementation experience in build, artefact, packaging, service discovery management tools.

⇢ Node/Java build & packaging automation experience (maven, Gradle, pip tools), dependency management, versioning & release engineering

⇢ In-depth knowledge of UNIX/Linux: command-line utilities; familiarity with system administration tools and concepts

⇢ Experience with centralized logging systems, metrics, and tooling frameworks such as ELK, Graylog and Grafana

⇢ Good understanding & implementation experience using microservices, module, red-black, rollout, rolling-back and canary principles.

- ⇢ Hands-on experience with Networking, Load Balancing, Rate Limiting, Traffic Shaping and Managing connectivity between networks
- ⇢ Strong knowledge of best practices & scripting in programming languages such as nodejs, bash or groovy, as well as the ability to improve upon current orchestrators and schedulers (Kubernetes)
- ⇢ Good understanding of distributed system fundamentals, microservices architecture, RESTful services and CI/CD, and the ability to troubleshoot issues in a larger distributed infrastructure
- ⇢ Experience with AWS and GCP
- ⇢ Open source contribution:
  - ○ Content Pack for Graylog2 which supports HTTP Real-Time logging and Monitoring from HAProxy - https://bit.ly/2XKZhWK
  - ○ NodeBB third-party developer - https://bit.ly/2EKn93O
- ⇢ Web-Application Security:
  - ○ Bug Bounty: Razorpay, StayUncle, EatWith

PROFESSIONAL EXPERIENCE

Sr DevOps Engineer, Bharti Airtel Limited - *June/2019 - Present -* Gurgaon, India
- ⇢ CI/CD of multiple languages including open-source and enterprise tech-stack Tech-Stack: Jenkins [git checkout multi-branch jenkinsfile]
- ⇢ Big Data (Hadoop/Abinitio) AdHoc Process Automation Tech-Stack: NodeJS, Bash and Groovy
- ⇢ Notification: Design a generic alert notification framework to interact and overcome the limitations of existing communication channels [teams, slack, matter most, telegram, email, ServiceNow, elasticsearch, influxdb] Tech-Stack: NodeJS
- ⇢ Scraper: A generic scraper framework that scrape information from enterprise and open-source to take automated actions where we don't have an option for

webhook. Supported systems - Kibana, Abinitio, Grafana, and Qlicksense Tech-Stack: NodeJS

⋯→ Alert: Self-subscribing system that runs on top of notification framework and enables developers/ops and DevOps to enable alerting for ingested or connected applications for almost all communication tools supported by notification-framework. Tech-Stack: MERN

⋯→ Event Scheduler: A powerful schedular that acts as a wrapper for executing Jenkins/airflow or bash, where we've UI to monitor all events and tasks. Tech-Stack: MERN

⋯→ Node Setup: A mix of jenkins+ansible+bash automation to setup nodes in just one click.

DevOps Engineer, Exzeo Software Pvt Ltd - *June/2018 - May/2019* - Noida, India

⋯→ Centralised Logging and Monitoring

⋯→ Build & Release automation [JIRA to Jenkins - CI/CD - Lambda]

⋯→ Kubernetes setup on AWS with KOPS

⋯→ Kubernetes CI/CD with Jenkins and Helm

⋯→ Bash/Shell Scripts -

  ○ S3-Based Backup/Restore for Elasticsearch

  ○ Automatic backup of log files to S3 from EC2 instances

  ○ Automatic Start/Stop/AMI-Backup of EC2 instances

  ○ Automatic disk cleanup on CloudWatch alert

  ○ Kubernetes dev env setup

  ○ Kubernetes microservice-app log extractor

  ○ Git cherry-pick automation

⋯→ Private docker registry setup with UI

⋯→ Private NPM repository setup with UI

DevOps Engineer, SocialCops - *March/2018 - May/2018* - Delhi,India

⋯→ MongoDB replica set on Kubernetes cluster with Helm on GCP

⋯→ Elasticsearch cluster setup on AWS/GCP

⋯→ Blue-Green Deployment of the application on Kubernetes (zero downtime)

⋯→ Kubernetes production issues

Tech Lead, SamayLa - *Jan/2017 - March/2018* - Gurgaon, India

⋯→ Migration from third-party-hosting to Amazon AWS cloud

⋯→ Migration of server-side rendered app to SPA (AngularJS)

⋯→ Configured Nginx as a Gateway for applications and Monitoring HTTP traffic with NGINX Amplify

⋯→ Automated SSL Encryption for Servers with LetsEncrypt and Nginx

⋯→ ModSecurity 3.0 compiled with NGINX for securing applications

⋯→ Bash/Shell Scripts:

    ○ Tool for launching, hardening, and domain mapping with EC2 instances

    ○ Responsive Emailer Generator

⋯→ Integration of newly built systems with the legacy system

⋯→ Integration layer (backend) developed in order to plug third-party-apps

Full Stack Developer, Zillion - *Aug/2015 - Dec/2016* - Gurgaon, India

⋯→ Member of On-Demand Software Development Team - Client Projects

    ○ On-Demand booking of Meeting Rooms, Training Rooms, Hot-Desks on Hourly/Daily/Monthly-Basis for a bootstrapped company

    ○ On-Demand Waste Management Solutions for funded startup

    ○ On-Demand Decision Making Tool for the prestigious retail firm of India

Application Analyst, ITC Ltd - *Sep/2014 - July/2015 - Gurgaon, India*

⋯→ Business Process Automation / Application Development:

    ○ Development, Enhancements and Bug fixing

    ○ SQL-Server Installation, Configuration and Migration

- ○ Test solutions including test cases, FS, UAT etc
⋯→ Application Support
  - ○ Maintain 24x7 availability of critical solutions
  - ○ Retail application support to brand outlets
  - ○ Ensuring high availability of production databases, regular maintenance activities, database design, query optimization, data extraction

EDUCATION

⋯→ **Bachelors in Information Technology - (2010-2014) - GGSIPU - Delhi, India**