Ashish Pal Singh

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DevOps Engineering and Production Specialists

Seasoned DevOps engineer, utilizing major open source platforms to deliver infrastructure monitoring and notification services and robust CI/CD pipelines. Deep experience engineering Azure, Amazon Web Services infrastructure, identity & access management, and monitoring offerings. Containerization and orchestration engineering with Kubernetes and Docker.

TECHNICAL SKILLSET

Cloud	**Microsoft Azure: AppInsights, Log Analytics, Azure Kubernetes Service, Functions, Logic Apps, Service Bus** **Amazon AWS: EC2 (with AMI), ELB, EBS, Route 53, IAM, S3, AMI, CloudWatch, CodeCommit, CloudFront, Dynamo, RDS, Lambda, VPC, Glacier, SNS**
Database Platforms	**Microsoft SQL Server, MySQL, NoSQL platforms including Dynamo DB**
Containerization and Orchestration	**Docker, Kubernetes**
Web Servers	**Apache2, NGINX**
Operating systems	**Linux (Ubuntu and associated flavors), Windows**

PROFESSIONAL EXPERIENCE

7-Eleven Inc. [on behalf of Simarn Solutions]
RunOps Engineer *(October 2018 – current)*

Inter-team collaboration with developers and architect to implement infrastructure monitoring and alerting utilizing tools like New Relic, Log analytics and Grafana. Deployed infrastructure using ARM templates in Azure DevOps.

- Implemented and setup tools like New Relic, Grafana and Pager Duty for Monitoring
- Automated infrastructure monitoring and notification services utilizing New Relic, Log Analytics, and Grafana. Log shipment and storage from Kubernetes, Functions and Logic Apps
- Deployed Azure PaaS services using ARM templates
- Implemented and tested disaster recovery solutions for no downtime in production
- Provided support of pre-production and production service applications
- Reduced debugging, root-cause identification and troubleshooting by using logs and metrics

Michaels Stores, Inc. [on behalf of Simarn Solutions]
DevOps Engineer (*June 2017 – September 2017*)

Inter-team collaboration with DBAs and Network teams to achieve end-to-end automation of AWS infrastructure. Enabled the efficient management of software development and infrastructure deployments utilizing open source toolsets such. Secured resources with logical firewalls as well as role and permission management with AWS IAM. Performed container management of Docker images.

- Implemented automated infrastructure monitoring and notification services utilizing CloudWatch, Grafana, and SNS. Log shipment and storage with GravLogs from EC2 and Lambda.
- Reduced error potential by upwards of 99% and increased production deployment speed through the implementation of automated build and deployment pipelines with Jenkins, Maven, and Git.
- Developed AWS infrastructure deployment utilizing Jenkins build pipelines with Python, Java, and Bash scripting.

JetBlue Airways, NY
Jr. DevOps Engineer (*May 2015 – Dec 2016*)

Executed DevOps practices and performed Linux Systems Administration on Ubuntu. Deployed Windows and Ubuntu Linux server infrastructure utilizing AMIs and Ansible. Containerized web applications utilizing Docker.

- Performed network configuration duties including AWS Virtual Private Cloud and isolation of resources within the Amazon RDS.
- Implemented Jenkins build pipelines for Continuous Integration (CI) activities.
- Configured AWS Identity and Access Management (IAM) Groups and Users for improved authentication processes.
- Executed EC2 auto scaling with an ELB for seamless routing of traffic to instances.
- Implemented CloudFront for content delivery from AWS edge locations, drastically reducing front-end server load.

EDUCATION

University of Texas at Dallas

- Masters in Supply Chain Management

References available on request