VISHAL BISHT

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DEVOPS ENGINEER

OBJECTIVE

Dynamic and results-oriented professional with experience in implementing robust monitoring systems, orchestrating smooth migrations, and driving operational efficiency enhancements. Pursuing a challenging role to contribute strategic insights and technical skills to a forwardthinking organization committed to excellence in DevOps practices and continuous improvement.

EDUCATION

2016
B.E. in **Electronics and Instrumentation** from **Govindram Seksaria Institute of Technology and Science, Indore, Madhya Pradesh**

PROFILE SUMMARY

- Possess **7+ years** of experience in **DevOps,** specializing in **AWS services and Continuous Integration** for Agile projects in various industries.
- Currently working as DevOps Engineer at Annalect, **spearheading the implementation of AWS resources and services** to guarantee smooth data team access and **optimize CI/CD pipelines** using terraform for enhanced efficiency.
- Showcased proficiency in **coordinating AI modules for mining analysis**, effectively **utilizing Azure and GCP cloud services** for optimal results.
- Acknowledged for **streamlining database operations** through automated backups, monitoring, and issue resolution, leading to operational efficiency and cost savings.
- Proficient in Python and Shell Scripting, with a **strong understanding of Infrastructure as Code using Terraform** and orchestration with Docker and Kubernetes.
- Proven track record of successful infrastructure setup in Azure and AWS clouds, optimizing costs and enhancing system performance.
- Skilled in data migration to **Snowflake**, implementing data masking techniques, and ensuring data security and scalability.
- Proven capability to effectively deliver code to customers by seamlessly integrating operations and development processes, ensuring efficient and timely results.
- Effectively communicated and collaborated with cross-functional teams; fostered strong interpersonal relationships to drive project success.

CORE COMPETENCIES

- Project Planning
- Solution Installation & Configuration
- Application Lifecycle Management
- Build & Production Deployment
- Release Management
- CD & CI Set-up & Process
- Production Systems Architecture & Design
- Data Visualization
- Infrastructure Automation
- Risk Management
- Stakeholder Management
- Application Maintenance & Troubleshooting
- Requirement Gathering

CERTIFICATIONS

- AWS Certified Solution Architect – Associate
- Hashicorp: Terraform Associate
- Microsoft Azure Fundamentals - AZ900

SOFT SKILLS

- Collaborator
- Communicator
- Innovator
- Critical Thinker
- Numerical Competence
- Problem Solver
- Time Management
- Team-oriented

TECHNICAL SKILLS

- **Cloud Platforms:**
  - AWS Cloud: S3, EC2, VPC, CloudFormation, EKS, ECS, ECR, RDS, Lambda
  - Azure Cloud: SQL servers, Postgres Single Server, Data Factory, Cosmos DB, Azure Function,

    Service Principal   o   GCP

(Google Cloud Platform) **DevOps**

Tools:
  - Jenkins, Confluence, JIRA, GIT, Bitbucket, Bamboo, XL Deploy, XL Release, GitHub Actions,

    Azure DevOps o Terraform (Infrastructure as

Code), GitLab CI/CD **Languages:**
  - Python Scripting, Shell Scripting **Containerization & Orchestration:**
  - Docker, Kubernetes **Monitoring Tools:** o Datadog, CloudWatch Matrices **Data Warehouse:**
  - Snowflake

- **Database Management:**
  - SQL servers, Postgres Single Server, Redshift, Athena, Snowpipe **Web Servers:** o Nginx

- **Version Control:**
  - GIT, Bitbucket

- **Other Tools and Technologies:**
  - Helm charts, Autosys, AWS IAM policies and roles, CloudFront

WORK EXPERIENCE

Feb'2023-Present | DevOps Engineer | Annalect India, Pune, Maharashtra Key Result Areas:

- Leading the deployment of AWS resources for creating a Data Mesh account.
- Designing and implementing access policies and roles for the data team.
- Deploying services including S3, VPC, IAM policies and roles, Redshift, and Athena workgroups.
- Managing infrastructure as code using Terraform, with deployments automated through GitLab CI/CD pipelines.
- Migrating infrastructure management from Terraform to Terraform Cloud.
- Deploying and managing EKS clusters, utilizing Helm charts to integrate add-ons such as Starburst, Airflow, and Airbyte.
- Gathering new requirements, conducting solution analysis, and implementing solutions in alignment with organizational standards.
- Facilitating knowledge transfer (KT) and conducting demonstration sessions for the team to showcase newly developed features or automation solutions.
- Spearheading research initiatives and conducting proof-of-concept tasks, fostering continuous process enhancement and operational refinement.
- Effectively spearheading a spectrum of releases, encompassing major and minor categories, across diverse projects, guaranteeing punctual and well-structured release execution.
- Orchestrating seamless cross-team collaboration to optimize and refine release procedures, resulting in heightened efficiency within the release pipeline.

- Identifying operational enhancements and successfully executing automation solutions to rationalize workflow, mitigating manual intervention, and advancing productivity.

Oct'2021-Jan'2023 | DevOps Engineer | Techment Technology, Indore, Madhya Pradesh Key Result Areas:
- Developed an orchestration tool facilitating the deployment and coordination of diverse AI modules for mining site analysis across multiple clients.
- Orchestrated on-demand virtual machines (VMs) in Azure and GCP clouds for image processing, tailored to various AI modules.
- Engineered a Docker image, activated by Back-end applications with configurable parameters, to execute AI modules within VMs.
- Established automated daily and monthly database backups for all production databases.
- Implemented lifecycle management rules for database backups, including tier changes and automatic deletion, while optimizing storage costs through compression.
- Integrated Datadog logging monitoring to track application logs effectively.
- Incorporated Azure and GCP cloud integrations to provide comprehensive cloud service oversight.
- Deployed alert systems to monitor on-demand VMs running for prolonged durations.
- Architected complete infrastructure within Azure Cloud, employing SQL servers, Postgres Single Server, Data Factory, Cosmos DB, Azure Function, and Service Principal.
- Established deployment pipelines using GitHub Actions/Azure DevOps for code deployment in Azure Function and Front-end applications.
- Hosted static websites on Blob storage.
- Automated onboarding processes for new counties and assisted the development team in troubleshooting application issues.
- Provided comprehensive cost analysis to optimize infrastructure expenses and forecasted costs for up to 30 counties.
- Architected complete infrastructure within Azure Cloud, employing SQL servers, Postgres Single Server, Data Factory, Cosmos DB, Azure Function, and Service Principal.
- Established deployment pipelines using GitHub Actions/Azure DevOps for code deployment in Azure Function and Front-end applications.
- Hosted static websites on Blob storage.
- Automated onboarding processes for new counties and assisted the development team in troubleshooting application issues.
- Provided comprehensive cost analysis to optimize infrastructure expenses and forecasted costs for up to 30 counties.
- Implemented Jenkins pipelines for Front-end and Back-end application deployment to enhance CI/CD processes.
- Integrated CloudFront with S3 buckets to expedite video delivery to clients.
- Assisted the development team in troubleshooting issues during both development and deployment phases.
- Facilitated the migration of data from AWS Cloud to Snowflake, a cloud data warehouse.
- Configured a multicluster data warehouse capable of autoscaling to manage increased system loads.
- Implemented scheduled tasks for specific time intervals and dynamic data masking for user-sensitive information.

PREVIOUS EXPERIENCE

Nov'2016- Oct'2021 | Technology Analyst | Infosys Limited, Pune, Maharashtra Growth Path:

System Engineer Trainee
(Nov'2016-Apr'2017)

Senior System Engineer
(Apr'2019-Jun2021)

PERSONAL DETAILS

Address   :   Pune-411027, Maharashtra

Languages Known   :   English and Hindi

ANNEXURE

- **Volkswagen at Annalect India (Feb'2023 - Present)** ○ Assisting the team in setting up a data mesh along with creating the necessary infrastructure.

System Engineer
(Apr'2017-Apr'2019)

Technology Analyst
(Jun'2021-Oct'2021)

- **Strayos (Mining) at Techment Technology (Sep'2022 – Jan'2023)** ○ Developed an orchestration tool for executing AI modules on drone images and implemented Datadog for log monitoring.

- **Farragut (Real Estate, POC) at Techment Technology (Aug'2022 – Sep'2022)** ○ Designed an analysis dashboard for visualizing county-related

  information, aiding county administrators in decision-making.
- **CirclesHealth Wellness (Healthcare) at Techment Technology (Nov'2021 – Feb'2022)** ○ Deployed Spring Boot microservices in AWS cloud for a UK-based hospital.
- **Marine Data Atlas (SGH Market Intelligence, POC) at Techment Technology (Oct'2021 – Jan'2022)** ○ Developed a proof of concept (POC) for a US-based oil company to analyze market trends.
- **Union Bank of Switzerland (UBS) at Infosys Limited (Dec'2020 – Nov'2021)** ○ Managed regular user requests and issues, troubleshooting critical month-end process issues, and coordinating with multiple teams to ensure timely data delivery to downstream applications.
- **Capital Group of Companies (CGC) at Infosys Limited (Jun'2017 – Sep'2020)** ○ Assisted application teams in setting up applications on tools, managing user requests, troubleshooting critical issues, and coordinating with multiple teams for issue resolution.