Dishant Pandya
DevOps Engineer

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Profiles	in dishant-pandya	drpdishant	drpdishant

Summary

Platform Engineer with experience in building automated, secure, and self-service ecosystem for high velocity application development and delivery aligned with Devops Principles. Have worked in domains such as Banking, Travel, Blockchain. Highly experienced in implementing scalable platforms, PaaS ecosystems on top of Kubernetes and Cloudfoundry. Implemented Fine-Grained access controls by applying Zero Trust Principles, and web authentication frameworks OIDC and SAML. Experienced in integrating identity federation across wide range of application services.

Experience

Kotak Mahindra Bank   **Sept 2022 - Present**
Devops & Cloud Platform Engineer   Mumbai
https://www.kotak811.com

- Implement the cloud infrastructure for Customer Onboarding Journey from ground up, manage, streamline, and automate Day 1 and Day 2 operations
- POC on tools and services and streamline the stack wherever possible.
- Extensively templated CI workflows in Azure DevOps
- Maintain reliability and continuously apply improvements.

CloudCover   **July-2022-Sept-2022**
Sr. Devops Engineer   Pune
https://ollion.com/

Consult regarding infrastructure automation and cloud migration

Openxcell Inc.   **Dec-2020 - July-2022**
Lead DevOps Engineer   Ahmedabad
https://openxcell.com

- Work with Clients, consult and implement highly creative solutions for application development and delivery lifecycle.
- Implement and migrate workloads to Kubernetes , implementing self service platform for developers. Prepare a technical documentation for usage.

Addweb Solution   **April 2019 - Nov 2020**
DevOps Engineer   Ahmedabad
https://addwebsolution.com

- Configuring & Managing various automated development processes. Building a consistent & portable application development environment using various platform tools.
- Drupal + React Headless CMS ecosystem on Platform.sh, integrated with Gitlab.
- React + Laravel + Mongodb Microservices Deployment on ECS. IaC using Terraform.
- Implement platform solutions around Drupal on Kubernetes.

Tops Infosolutions Pvt. Ltd   **April 2018 - March 2019**
Network and Linux Admin
https://www.topsinfosolutions.com/

- Network Management & Monitoring, Managing Firewall and Access Control.
- Managing and Monitoring Servers for SCM, Chat, NAS. Conguring & Deploying Server hardware.
- Linux System Administration, IT asset management. Scripting for Unattended software installation.
- Database Troubleshooting and Management

Singhi and Co.   **September 2017 - March 2018**
IT Admin

Manage the IT Infrastrucutre of a well-known Legal Advisor's Company. Congured monitoring and automated alerting.

Education

Gujarat Technological University   **July 2012 - March 2017**
Electronics and Communication   B.E
6.39

Participated in various robotics workshops and conducted labs for microcontroller programming in C. **Project** - Motion sensing wearable midi controller for DJ Mixing Softwares, with Arduino.

Projects

Digital Banking Customer Onboarding Journey   **December 2021 - Present**
Platform Engineer
https://www.kotak811.com/open-zero-balance-savings-account

- Implemented the application deployment platform for modernized micro-services using Terraform infrastructure as code.
- Integrating the Observability with Grafana, Elastic Stack.
- Applying security best practices to be replicated consistently for Dev, QA and Production environments.

Terraform, Kubernetes, AWS, Kong, Elastic Stack, Grafana + Prometheus

Virtual Card Fintech Platform on Fargate with Terrafrom   -
Development Platform with Terraform
https://www.tryjeeves.com/

- Accelerated provisioning 10x more faster, and improved developer experience of provisioning multiple services and environments. - Implemented deployment workows for the fintech product using Terraform. Defined all the required resources on AWS with modules, and abstracted adjustables with terraform vars.
- Prepare a POC for Kubernetes PaaS Porter and evaluate features.

Fintech, ECS Fargate, AWS, Terraform, AWS CodePipeline, Datadog, Kubernetes, Docker Swarm

Software Workshop   -
Scalable Development with Terraform, Kubernetes and Devspace

- Setup scalable and Reliable Development platform with Terraform and Kubernetes, and devspace.
- Implementing AWS Spot and Cluster Autoscaler ensure availability and reduce cost.
- Implement kube-downscaler to scale down workload out of working hours.
- Configure secure AWS authentication from Bitbucket Pipelines using OIDC Federation.
- Use Bottlerocket OS for EKS Worker nodes to optimize performance, resource allocation and reduce costs by upto 30% Implement teller to securely load secrets from AWS Secrets Manager into container runtime.

Openxcell Development Platform   -
Scalable Development Platform for Software Service Compnay on top of Kubernetes
https://docs.openxcell.dev

- Refactor and optimize infrastructure to scale and reduce cost by using Spot instances.
- Support 100+ CI Runs per day and 10+ Concurrent Job per minute with Gitlab Runner manager.
- Zero Downtime Deployments on Kubernetes, templated with Devspace. - Centralize Identity Management across organization with Keycloak and configure federated access for team to access,AWS, Gitlab and Kubernetes.
- Implement Custom SSO Broker to support OIDC Federation with internal and client AWS Accounts, managed centrally outside consolidated billing organisation for technical support and devops services. https://rishang.github.io/aws-oidc-broker/

kubernetes, gitlab, oidc, keycloak

Vault Signed SSH Certificate Auth   -
Identity Based SSH for Digital Ocean Servers

- Configure SSH Cerficate and OTP Secrets engine and configure servers to use it for Short lived credentials. https://drpdishant.medium.com/identity-based-ssh-with-vault-and-keycloak-part-1-3-47ab2181ceae

OpenSource Contributions
Minor Bug fixes
https://github.com/drpdishant/

- Have made some minor contributions by raising sensible issues and sending PRs for minor improvements in few projects.

Skills

AWS	Terraform	Ansible	Linux
Skilled	Skilled	Skilled	Skilled
Python	**Docker**	**CI/CD**	**Kubernetes**
Novice	Expert	Skilled	Skilled

Interests

Music	Mindfulness
Singing, Composing, Guitar	Yoga/Meditation, Reading

Languages

Gujarati	Hindi	English
Native	Native	Fluent
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