

PIYUSH PATIL

DevOps Engineer

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SUMMARY

An enthusiast DevOps engineer, with practical knowledge in implementing and managing DevOps best practices. Skilled in developing and managing the infrastructure on AWS, implementing and managing CI/CD pipelines, Infrastructure as a Code service, troubleshooting cloud related issues. Use my knowledge and experience in achieving maximum output for organization.

EDUCATION

Courses	University	Year of Passing
Bachelor of Engineering	Pune University	(2016 – 2020)
Higher Secondary Certification (12 th)	Maharashtra State Board	(2014 – 2016)
Secondary School Certificate (10 th)	Maharashtra State Board	(2014)

EXPERIENCE

➤ **Company Name:** Humancloud.ltd (July 2024 – Present)

Role: DevOps Engineer Intern

Project: Vettly.ai

Description:

Vettly.ai is a HR management system, which also streamlines the recruitment process for an organization. This application enables HR teams to manage job postings, track candidate applications, and conduct assessments seamlessly.

Tools & Technologies:

GKE(Google Kubernetes engine), GAR(Google Artifact Registry), IAM(Service Accounts), Virtual Machine(Compute machine instance), Kubernetes, Jenkins

Roles & Responsibilities:

- Created and managed GKE(Google Kubernetes Engine). Used Service Accounts and implemented security best practices to ensure secure zone for organization in GCP cloud platform.
- Integrated GKE cluster pods with Google GAR so it can fetch Docker images from the registry.
- Containerized the applications using Docker and optimized the Docker images for improved performance.
- Automated CI/CD pipelines using Jenkins and optimized workflows, reducing delivery time and significantly improving deployment reliability.

Project: OMS (Organization Management System)

Description:

OMS is organization level management application that helps in employee management, productivity, back-office tasks and document storage needs. Most often used to keep track of employee status.

Tools & Technologies:

AWS Services, Docker and Docker Compose, Jenkins, Grafana, Loki and Prometheus.

Roles & Responsibilities:

- Played a key role in the AWS Build Team, managing Linux servers on Amazon EC2, including EBS, Security Groups, IAM and VPC.
- Implemented best practices for building secure and reliable applications on the AWS platform.
- Setup Amazon S3 buckets for durable, secure, and scalable object storage solutions, enabling efficient data

- management and retrieval. And managed AWS resources.
- Optimized the Docker image using multi-build Docker file and lightweight base images.
- Collaborated with developer for creating a Docker file and compose yaml file and implemented monitoring stack (Prometheus, Grafana, Loki) for monitoring the docker containers and application running within it.
- Automated the CI/CD pipeline using Jenkins to ensure faster and reliable code delivery. Improved operational efficiency by streamlining CI/CD processes.
- Used Nginx web-server as Reverse Proxy to improve website performance and security.
- Used Git & GitHub and implemented best practices for storing and fetching source code.

➤ **Company Name:** AoneS Labs (July 2021 – March 2023)

Role: Product Engineer

Roles & Responsibilities:

- Product Design and Development. Designing of the Smoke Evacuation Device using Sheet-metal design techniques and developing the model as per requirements.
- Designing of 3D model of Cautery pencil and studying about the material specifications.
- BOM management and Material handling.
- Coordinate and schedule field visits for product maintenance.
- Arranging the demo's for educating about the product handling methods.

TOOLS & TECHNOLOGY

AWS Services	EC2, S3, VPC, SG, IAM, RDS, AWS Glue, AWS Athena, Quick Sight, EKS, AWS Route 53.
Database & Tools	MySQL
DevOps Tools	Docker, Jenkins, Kubernetes, Terraform, Git and GitHub
IDE used	Visual Studio Code
Operating System	Linux, Windows, Ubuntu
SolidWorks	3D modelling, Sheet-metal Design

SKILLS

- Cloud Computing: AWS (Amazon Web Services), GCP (Google Cloud Platform)
- DevOps: Version Control System, CI/CD, Containerization and Orchestration, IAC.
- Machine Design: SolidWorks, AutoCad-2

CERTIFICATIONS

- Machine Learning Engineer & AI Analyst (course completed from Symbiosis Skills & Professional University, Pune)
- SolidWorks Certified course on Computer Application for Machine Design (Cad-Infield Technology, Pune)

PERSONAL DETAILS

Nationality: Indian

Strengths:

- Self-motivated and detail-oriented
- Team person
- Problem-solving abilities

Date of Birth: 21 Sept 1998

Interests:

- Learning about new software and technology
- Trekking

Date :

Place:

Piyush Patil