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Piyush Sohal
Senior Platform Engineer at Unisys, Bangalore

Experience Overview

Multi-faceted, efficient and reliable Software Development Engineer with 7+ years of experience providing programming DevSecOps, Backend API and MEAN stack skills. Organizational driver offering product development, product improvement, pioneering technologies, process designing and engineering of scalable applications. Strong analytical abilities with excellent articulation and problem-solving skills.

Technical Skills:

Technologies	JavaScript, TypeScript
Deployments	Docker, Kubernetes, Azure, Micro-services
SCM	GIT, SVN, BitBucket
CI/CD Toolset	Jenkins, Rancher, Kubernetes, Docker, Azure DevOps
Web Servers	NGINX, IIS Express
Frameworks	NodeJS, ExpressJS, Angular
Cloud Providers	Azure, AWS
Agile	JIRA
IaaC	Terraform, Ansible

Project Experience:

Project Title:	Azure DevOps Pipelines	Duration: 12+ Months
Role/Responsibility	Senior DevOps Engineer	
Project Summary	Onboarded and migrated Azure DevOps project to production grade organization. Supported the project teams with pipeline creation and artifact management.	
Client/Location	Unisys/Bangalore	
Platform/Technology	Azure DevOps	
Deployment	Azure DevOps	

Project Title:	Release processing	Duration: 24+ Months
Role/Responsibility	Senior DevOps Engineer	
Project Summary	Designing the architecture for artifact release processing to external clients using a secure pipeline. The artifacts are picked from the staging environment and pushed to production with relevant tags and security information.	

	The artifacts are scanned, signed and metadata is stored in a release manifest for further processing.
Client/Location	Unisys/Bangalore
Platform/Technology	Jenkins, Nexus Repository, Aqua Trivy, Cosign, GnuPG
Deployment	Nexus Repository

Project Title:	Application Deployment to Azure	Duration: 36+ Months
Role/Responsibility	DevOps Engineer	
Project Summary	Designing the deployment architecture for Kubernetes based deployment on Azure environment. SaaS deployment architecture. Worked on setting up the Azure environment with Azure services such as Virtual Machines, Network security groups, Load balancers, Application Gateway and PostgreSQL Server. Infrastructure setup done using Terraform and Ansible. Setting up an RKE cluster on top of Azure VMs.	
Client/Location	Unisys/Bangalore	
Platform/Technology	Kubernetes, Helm, Azure, WSO2 API-M, Elasticsearch, Fluentd	
Deployment	Kubernetes cluster on Azure	

Project Title:	Application Deployment to AWS	Duration: 18+ Months
Role/Responsibility	DevOps Engineer	
Project Summary	Designing the deployment architecture for Kubernetes based deployment on AWS environment. SaaS deployment architecture. Worked on setting up the AWS environment with AWS services such as EKS, Network security groups, Elastic Load balancers, Application Gateway and PostgreSQL Server. Infrastructure setup done using Terraform and Ansible. Setting up production and demo EKS clusters.	
Client/Location	Unisys/Bangalore	
Platform/Technology	Kubernetes, Helm, AWS	
Deployment	Kubernetes cluster on AWS	

Project Title:	DevOps Command Centre	Duration: 14+ Months
Role/Responsibility	Full Stack Developer	
Project Summary	Developed and worked on creating configuration and deployment management portal targeting endpoints such as Linux, Windows and Docker. Developed using mean stack with the complete application, back-end and database running in a Kubernetes cluster to provide	

	scalability and high availability. Maintained uptime of 95%, monitored using Grafana.
Client/Location	Unisys/Bangalore
Platform/Technology	Angular 7, NodeJS 10, ExpressJS, MongoDB, NGINX
Architecture	Highly Available, Multi Node
Deployment	On Prem VMWare VMs, Kubernetes cluster

Project Title:	Product Information Centre	Duration: 12+ Months
Role/Responsibility	Full Stack Developer	
Project Summary	Worked on the design and architecture of a modern, customer facing product information centre supporting documents and files of various formats. Designing the flow of the application. Microservices Architecture designing. Metric collection using Grafana. Docker host setup done using Terraform.	
Client/Location	Unisys/Bangalore	
Platform/Technology	Angular 7, NodeJS 10, ExpressJS, ElasticSearch, NGINX	
Architecture	Highly Available, Multi Node, Container Based	
Deployment	Kubernetes cluster	

Education:

2012-2016	Bachelor of Engineering (B.E.)	Chitkara University, Punjab	8.03 CGPA
2012	XII	Modern Senior Secondary School, Patiala	68.4%
2010	X	Modern Senior Secondary School, Patiala	82.2%

Professional Experience:

- Participated in various organization wide events and hackathons.
- Won 2nd prize in a Microservices themed hackathon.
- Rewarded for successful SaaS deployment to Azure and AWS.
- Participated as a mentor to a collegiate team in the Unisys Innovation Program year 2023
- Participated as a co-mentor in the Cloud 20/20 year 2019.
- Worked as a research undergrad at the Chitkara University R&D department.
- Worked on patented research projects at the Chitkara University R&D department.

Certifications:

- Certified Kubernetes Administrator (CKA), ID: CKA-1900-005016-0100
- Microsoft Certified: Azure Fundamentals, ID: H348-3628
- HashiCorp Certified Terraform Associate

Interpersonal Skills:

- Disciplined, dedicated and hard-working with an ability to easily adapt to changing work environments and technologies.
- Always ready for challenges that urges to learn more and enhance by capabilities.
- Positive attitude and Inclusiveness.

UNDERTAKING
I hereby declare that the above information is true to best of my knowledge. If given a chance, I will try my best to come true to your aspirations.

DATE:
PLACE: Bangalore   (Piyush Sohal)