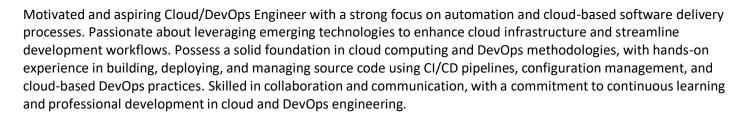# Prasant Jakhar
CLOUD SME

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Professional Summary:

Motivated and aspiring Cloud/DevOps Engineer with a strong focus on automation and cloud-based software delivery processes. Passionate about leveraging emerging technologies to enhance cloud infrastructure and streamline development workflows. Possess a solid foundation in cloud computing and DevOps methodologies, with hands-on experience in building, deploying, and managing source code using CI/CD pipelines, configuration management, and cloud-based DevOps practices. Skilled in collaboration and communication, with a commitment to continuous learning and professional development in cloud and DevOps engineering.

Technical Skills

Languages Known	C, Python (NumPy, Pandas, Matplotlib, Seaborn), SQL, Shell Scripting
CI/CD Tool	Jenkins, AWS CodeBuild & AWS CodePipeline
Container Management Tool	Kubernetes
Source Code Management	Git & AWS CodeCommit
IAC Tools	Terraform, CloudFormation
Containerization Tool	Docker & Amazon ECS
Artifact Management Tool	Amazon ECR & Docker Hub
Knowledge Management Tool	Slack, SharePoint & Quip
Monitoring Tools	AWS CloudWatch & Kibana
Operating System	Linux, Ubuntu
Cloud Platform	Amazon Web Services – AWS, Azure, Google Cloud Platform
Certifications	AWS Solutions Architect - Associate, Data Analytics, Lean Six Sigma Yellow & Green Belt, CSM

Work Experience

Subject Matter Expert, Machine Learning Operations   **July 2022 - Present**
Amazon Development Centre India Pvt Ltd

- Provisioned AWS Workspaces for new hires.
- Architected scalable, secure AWS infrastructure for GO AI ADAR, ensuring optimal resource allocation and network configuration.
- Automated infrastructure deployment using IaC tools like CloudFormation and Terraform, enhancing consistency and reducing deployment time.
- Implemented AWS security best practices (IAM, VPC, encryption) and ensured compliance with AI data handling standards.
- Monitored performance and optimized costs using AWS CloudWatch, AWS Config, and applied Trusted Advisor recommendations.
- Integrated CI/CD pipelines with AWS CodePipeline and Jenkins to automate AI model deployments, collaborating with data scientists for continuous improvements.
- Used Kibana for real-time capacity monitoring of operational headcount in a continuous 24x7 operations workflow.
- Used Terraform to create S3 buckets for different ML data projects to store processed Machine learning data with specified lifecycle policies.
- Helped the operations team in setting up AWS CloudWatch to monitor the inbound data and set alarms when the inbound traffic reaches a certain threshold.

Data Associate I, Machine Learning Operations   **July 2021 - July 2022**
Amazon Development Centre India Pvt Ltd
- As a Data Associate my work involve supervisory control when an automated task fails for any reason, actively seek solutions through logical reasoning and data interpretation skills and identify trends to appropriate channel including improvement suggestion
- Achieving set KPI's (takt 20secs) and accuracy (99.97%) to work in accordance and following company standards
- Successfully assisting and self-improving the process flow to reduce outliers and inconsistencies

Career Break   **Aug 2020 - July 2021**
- Started my Trekking company Prohikes in that period.

Business Development Executive   **Feb 2020 - Aug 2020**
SourceSoft Solutions Pvt Ltd
- Develop and execute sales plans to surpass monthly and quarterly goals, while cultivating new leads and contacts to identify revenue opportunities.
- Build strong business relationships with current and potential clients, actively engaging in networking events for client attraction and retention.

Personal Projects

Project 1	3-Tier Web Application on AWS
Tools & Technologies Used	Amazon VPC, Subnets, Amazon EC2, IGW, NAT Gateway, Route Tables, Security Groups, Autoscaling Groups, MySQL RDS Database, Network Security, Shell Scripting, Automation, Ubuntu, AWS
Role	Cloud Engineer
About the Project	In this project we created a 3-Tier Architecture, which involves the presentation, application, and database layers. Key components include Amazon VPC, EC2 instances, RDS databases, automation, and robust security practices.

Project 2	The Netflix Clone Using Kubernetes
Tools & Technologies Used	Containerization, Docker, Kubernetes, Amazon EC2, Automation, GitHub, AWS, Ubuntu
Role	DevOps Engineer
About the Project	"The Netflix Clone" is a Project where we aimed at developing a high-performance streaming platform, replicating Netflix. Leveraging the power of Kubernetes for container orchestration and seamless integration with GitHub for version control, With Docker, we built the code into a neat and portable package. We pushed the Docker image to Docker Hub, so anyone, anywhere, can easily access the docker image. And lastly, we deployed our project on a Kubernetes cluster.

& many more on GitHub.

Education
Bachelor of Technology (IT)   **2016-2020**
Bharat Institute of Technology, Meerut

Achievements
- Led and successfully managed a dynamic team of 20 individuals to achieve project objectives and exceed performance targets.
- Demonstrated strong leadership skills in guiding and motivating a diverse team, fostering collaboration, and driving exceptional results.
- Achieved recognition as the top Subject Matter Expert (SME) of the month several times at Amazon, earning the award by consistently meeting and exceeding all performance metrics and targets.
- Contributed significantly to the success of a pilot project by consistently meeting all SLAs and surpassing business targets, making a pivotal impact on its achievements.