Pulkit Kumar
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"Self-Motivated Technical Individual Contributor (Agile) | 18+ Years of Experience in Build, Release (Now DevOps), Python, Perl, C++, Version Control, Programming, Custom DevOps Frameworks Automation | Transitioning to Full Stack, Machine Learning (Python3, Algorithms), and Data Science | Strong Advocate of "Simplification by Automation" and "Just in Time Learning" | Quick Learner and Enthusiastic Workaholic."

Technical Skillsets:

Enablers: "Python Core Developer | ML Algos | Data Sc | Full Stack Django-REST | Blockchain Corda-r3 | Multi-Cloud Automation Engr (boto3, Terraform, Perl, Pulumi) | DevOps Specialist (Ant+IVY, Maven, Groovy, Gmake, K8s, Docker, OpenShift)"

Cloud & Automation: AWS, Alibaba Cloud (Expert), Azure, GCP, IBM, Oracle, Python3, Pulumi, Terraform, Ruby, Perl

Containerization & Orchestration: Kubernetes, Docker, OpenShift, Podman, Containerd, Cloud-Based Container Services (AWS ECS, GKE, etc.)

Full Stack Development: Python3, Django, REST, HTML, CSS, Bootstrap

Data Science & Machine Learning: Python3 (Pandas, NumPy, Scikit-learn etc), ML Algorithms Refinements, Data Analysis

Security & DevSecOps: AWS Security Tools (CloudTrail, AWS Config, Security Hub, IAM, etc.), Code Analysis (SonarQube, Coverity, etc.), Security Best Practices

Build & CI/CD: CI/CD Pipelines (Jenkins, GitHub Actions, Bamboo, Electric Commander, Cruise Control etc.), Build Tools (Maven, ANT + IVY, Gmake.)

Version Control & Collaboration: Git, GitHub, SVN, ClearCase, Perforce, Mercurial, Agile Tools (JIRA, Rally, Azure Boards, etc.)

Monitoring & Observability: Cribl, NewRelic, Gremlin Chaos, Prometheus & Grafana, Open Search, Splunk, APM Solutions (DataDog, Dynatrace, etc.)

Blockchain: Corda-r3

Infrastructure & Miscellaneous Tools: Sonatype Nexus, ISTIO, CEPH (ROOK), GitOps, DataOps, Virtualization (VirtualBox, Vagrant, etc.)

Major Professional Certifications Earned:

Cloud and Platform Certifications:

AWS Certified DevOps Engineer - Professional, **AWS Certified Solutions Architect – Professional**, **Google Cloud** Certified Professional DevOps Engineer, Google Cloud Certified Professional Security Engineer, **Alibaba Cloud Certified Professional** DevOps Engineer (ACP DevOps), **Alibaba** Cloud Certified DevOps Specialty (ACS DevOps), Alibaba Cloud Certified Cloud Migration Specialty (ACS Cloud Migration), Alibaba Cloud Certified Innovative Computing Specialty (ACS Innovative Computing), **Microsoft Certified Azure DevOps Engineer Expert (AZ-400)**, Microsoft Certified Azure IoT Developer Specialty (AZ-220 Specialty), Microsoft Certified **Azure Data Scientist Associate (AZ DP-100)**, **Microsoft Certified Azure AI Engineer Associate (AZ-AI-102)**, **Oracle Certified** Data Management Associate, Oracle Certified Foundations Associate, **IBM Cloud** Advance Istio and Kubernetes, IBM Cloud Building Cloud Native and Multi-Cloud Apps, IBM Cloud DataOps Methodology, **Red Hat Accredited** Delivery Specialist Container Platform Application Deployment (**OpenShift,** CRC & Podman), Red Hat Accredited Delivery Specialist Automation (**Ansible**)

Automation and Development Certifications:

HashiCorp Certified **Terraform** Associate, **Python Institute Certified for Prog Essentials in Python (PCAP), Corda-r3 Certified Developer**

Observability, Security Certifications:

Gremlin Certified Chaos Engineering Professional, **PagerDuty** Certified for Event Intelligence, **New Relic Certified** Full Stack Observability Practitioner, **Cribl Certified** Observability-Stream Admin, **GitOps** at Scale-II CodeFresh.io Certified for **ArgoCD,** GitOps Certified by **Linux Foundation**, Solo.io Certified **Expert for ISTIO**, Tigera Certified **Calico AWS Expert**, Tigera Certified Calico AZURE Expert, **JumpCloud Core Certified Professional**, **CyberArk** Certified Trustee, **Zerto Certified Associate**, **Fortinet** Certified NSE 3 Network Security Associate, **Qualys** Certified VMDR-2, **Nutanix Certified** Envisioning Hybrid Cloud, **Arango DB Certified** Professional, **Apollo Graph QL Certified** Developer - Professional, **Cockroach University Certified** Cockroach DB Serverless, CertiProf Certified **Scrum Foundation** Professional, **DataBricks Generative AI**, Databricks datalake.

Work History

2015 - Current	### HCL Tech.

- Working with **direct customer facing** Agile Model as an **Individual Contributor**.
- Presently more focused **on Learning and Refining ML Algos and Models; Data Science with Python3(Anaconda, Pandas, NumPy, Scikit_Learn etc.).**
- **Full Stack Development (PY3, Django-REST, HTML, Bootstrap)**
- Architected and Automated end to end **AWS-China Infra/DevOps**.
- Automating the challenging configuration w.r.t. Infra and DevOps for AWS-China (Terraform, Python3 "boto3, CDK, Pandas, NumPy" Bash, Golang).
- Complete Infra, DR and DevOps Automation in Azure (Terraform+Python3+sh+YAML+Bicep+KQL)
- End-to-end automation of AWS-Global (IaC using Terraform+Python3+CF).
- DevOps and Contaranization Automation for Google Cloud.
- Deploying and managing applications with tools like Docker/Kubernetes/Swarm/Compose/Kinematics/Podman/AWS Faregate/AWS ECS/k3s/k9s/Apache Mesos/Azure k8s service/ Google k8s Engine.
- Multi-Cloud & DevOps Automations using Terraform, Python, Argo CD, Ansible, Pulumi, AWS CloudFormation, Azure ARM, Azure DSL Bicep, Azure KQL
- CI/CD pipelines Automations/Jenkinsfile, GitHub Actions, GitLab, Native Cloud tools.
- ServiceNow and AWS Discovery Implementation (sts Based)
- Rapid7 and AWS Integration (Assume Role Based)
- Actively involved in Serverless conversions of projects (Lambda & Docker, Kubernetes, Swarm, AWS Faregate, Compose, Podman, Kinematics, Argo CD, GitOps)
- Implementation/Automation of DevSecOps integration with pipeline: SonarQube, Crucible, Coverity (Static & Dynamic coverage), BlackDuck, Rapid-7, Jacoco, Code Complexity etc.
- AWS Identity and Access Management, AWS Roles and Policies, Azure AD and Polices, Azure RBAC.
- Contributing as Scrum Master w.r.t. Rally, JIRA, Azure Boards.
- Custom containerized monitoring solution (Elastic Stack+Splunk+BigPanda+DataDog+DynaTrace+AppDynamics).
- Designed and implemented Agile Focused Delivery Framework.

2014 - 2015	### Accenture

- Build and Release Engineering
- Independently designed and implemented custom Continuous Integration framework.
- Worked on DevOps, SCM and Build & Release Management/Engineering Competency
- Hudson and Jenkins
- Implementation of various Code Metrics w.r.t

- Project Health Check
- Version Control Tools (GIT, SVN etc.) Administration

2013 - 2014   Tech. Mahindra

- Mentored a team of 18 DevOps SMEs.
- Worked on DevOps, SCM and Build & Release Management/Engineering Competency.
- Builds Automation w.r.t. Bamboo.
- Implementation of various Code Metrics w.r.t. Project Health Check.

2011 - 2013   Hewlett-Packard, India Software Operations

- Specs for Complex RPM creations.
- Managed InstallShield Projects.
- Build Automation and Continuous Integration with Electric Commander.
- Build and Release Engineering

2010 - 2010   NatWest Group (Formerly RBS)

- Handled Parallel Development environment i.e., scenario of multiple Releases at a time.
- Managed daily and weekly Builds and Packages in terms of GMake and Ant for all products.
- Build and Release Engineering

2008 - 2010   Persistent Systems Ltd.

- Configured Jenkins across all existing projects
- Build and Deployment Automation
- Integration of Bugzilla with SCM Tools

2007 - 2008   Wipro Technologies

- Automation in terms of Shell Scripts
- Other ClearCase related tasks like VOB and View Creation, Maintenance, Movement e
- Perforce (P4WIN, P4V) Administration
- Source Code migrations to different VCS tools

2005 - 2007   Nucleus Software Exports Ltd.

- Actively involved in the organization wide implementation of Rational UCM ClearCase
- Involved in End-to-End process restructuring in terms of SCM post implementation of ClearCase

Education

Examination	College/Institute	University/Board	Year
Master of Computer Applications (MCA)	Hindustan Institute of Mgt. & Comp. Studies Mathura (U.P.)	U.P. Technical University, Lucknow	2005
B.Sc. (Computer Sc.)	Dau Dayal Institute of Vocational Education, Agra (U.P.)	Dr. B. R. Ambedkar University, Agra	2001
10+2	Govt. Inter College	U. P. Board	1998
10th	Govt. Inter College	U. P. Board	1996