### **ABHAY KUMAR PANDEY**

Solution Architect ~ Application Deployment, Automation

Professional with over 10+years of expertise in leading the establishment and maturation of DevOps practices, setting up objectives, designing & streamlining business processes & executing project within timeline

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### CORE COMPETENCIES

DevOps Build & Production Deployment

Cloud Technlogies

Project Planning & Execution

Application Development & Integration

CI / CD Implementation

Client Engagements

**B**usiness Analysis

# SOFT SKILLS



# **CERTIFICATION**





Bachelor of Engineering in Computer Science

### **PROFILE SUMMARY**

- Expertise in end-to-end project planning & implementation including scope management, activity sequencing, risk analysis, and quality management
- Serving as key leader and expert on DevOps practices and components; mentoring and leading clients in DevOps engagements; leading client engagements to improve DevOps environments across functional areas
- Presenting a broad knowledge across various products across the DevOps spectrum; implementing solutions for automation of application build, test, deployment, configuration management, and orchestration
- Ability to guide teams with DevOps best practices, including improved scalability, performance, reliability, and speed to market; providing guidance in technical design, and plan team activities and providing direction to team members
- Quickly discern client environments, business needs, and culture; active involvement of sales opportunities as required; instrumentally serving as a key driver of the DevOps internal practice; strong understanding of software project release automation
- Possess excellent communication, analytical, decision-making, time management and leadership skills with proven capability in leading and coordinating with teams



## **EXAMPLE 1** Core Competency

#### **DEVOPS**

- Continuos Integartion Tools: Git lab-CI, Jenkins
- Automation Tools: Ansible & Terraform
- Cluster Management: Kubernates, ECS, Docker Swarm
- Content Management Systems: Nexus, Gitlab, ECR
- Packaging: Docker & Packer
- Logging and Monitoring: ELK, Datadog, Cloudwatch, Splunk
- Build Tool: Maven
- Code Quality: SonarQub

#### **CLOUD SERVICES**

**AWS Cloud Services** 

#### **LANGUAGE**

Python, Shell Scripting, Java

#### **OTHERS**

- OS: CentOS, Windows
- Networking: TCP/IP, SSL, Loadbalancing
- Security: Firewall, WAF, Encryption methods



# 2016 to present, DevOps Lead @ SAT&T

- Design DevOps architectural approaches w.r.t. AWS based cloud platform. Evaluate the configuration management tools & recommend.
- Designing and developing automation to support Continuous Integration and Continuous Deployment (CI/CD) pipeline architecture (Jenkins, GitLab) including deployments into Kubernetes environments
- Design the end to end deployment architecture for high scale cloud-based enterprise solution.
- Design the networking zones as per best practice for DevOps infra as well as product servers.
- Execute PoCs/feasibility for various part of DevOps spanning across cloud platforms.
- Co-ordinate with development team for capacity & deployment requirement planning.
- Hands on writing Terraform code / Ansible playbooks and shell / python scripts.
- Identify deployment use cases and discuss with key stakeholder.
- Support different deployment flavours (micro/small/medium/production etc.).
- Extensively use combination of technologies like Build tools (Jenkins, Maven, Nexus etc...), Yum repository, Java, Shell scripts, Python to achieve the desired outcome.
- Build infrastructure scripts for "Zero Touch Deployment" means automate everything.
- Define the change promotion pipelines approaches from Dev to QA to Stage to Production.
- Design multi-DC deployment strategy.
- Design to scale the deployment.
- Mentor and educate DevOps team on best practices, technology learning and design aspects.

# 2012 to 2016, Lead DevOps/Cloud Engineer @ STEEL & POWER



- Create a well-informed cloud strategy and manage the adaption process and guidance in infrastructure movement techniques including bulk application transfers into the cloud.
- Designing and developing automation to support continuous delivery and continuous integration processes; implementing the build, release and configuration management of production systems
- Manage re-architecture of Jenkins and integration with Confluence for release management and documentation assets.
- Designed and implemented end to end architectural flow for Dev and QA environment. Apache web server, Hybris application web server, Aurora DB, Apache Solr used. Tools: SonarQube (Code Quality), Jenkins (CI/CD), Bitbucket/GIT, Confluence, JIRA, Gerrit (Code review), Servers hosted on AWS.
- Identify the top cloud architecture solutions to successfully meet the strategic needs of the company
- Manage hardware request and support from developers and infrastructure.
- Was part of the estimation and scalability discussion team to define and review hardware/software specifications required according to the client requirements.
- Manage all CM tools (JIRA, Confluence, Artifactory, SVN, Maven, Jenkins, Git, GitHub, Visual Studio) and their usage / process ensuring traceability, repeatability, quality, and support.
- Re architect a legacy SVN repository from pure script dependency and no representation of releases to clear direction regarding where code resides and the difference between releases.
- Converted our staging and Production environment from a handful AMI's to a single bare metal host.

### 2007 to 2012, Senior Software Engineer @ ....



- Plan, coordinate and execute releases to QA, stage and production environments and Managed complex code branches from multiple development teams for current and future releases.
- Defined development workflow Agile/SCRUM/Waterfall SDLC processes and established processes around them and implemented toolset integration like Quality Center, Subversion, and various scripting tools and databases.
- Ensured releases are documented for supportability and functionality and stakeholders spanning multiple organizations are notified in advance.
- Responsible for configuration management including deployment of new software/configuration changes into our UAT, Training, Production and DR environments. Additional duties included working with development and infrastructure teams to improve the configuration and release management.
- Designed and implemented requirements, approach, and tooling for Java and .NET -based application development.
- Managed tools like Subversion, Web Application, Java Plate-form, Eclipse IDE and Performed maintenance and troubleshooting of deployment systems.