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## CAREER OVERVIEW

12+ yrs. of diverse IT experience  
DevOps, Security, Fullstack, Agile  
Product Engineering (SaaS, IoT)  
Quality Engineering (Compliance)  
Infrastructure Engineering (IaC)  
Release Engineering (SoC, AV)  
Platform Engineering (CI/CD, CM)

## TECHNICAL SKILLS

### DevOps

Agile/Scrum/Kanban, Programming,  
Source Code Management, CI/CD,  
Package/Container Management,  
Container Orchestration, IaC, Cloud,  
Serverless, Observability, Automation,  
System Administration (Linux/macOS)

### Project Management

Agile (Scrum, Kanban), Waterfall,  
Jira, Confluence, ServiceNow, Asana

### Programming/Scripting

C, Python, Go/Rust/Ruby (basics),  
Shell Scripting, Windows Powershell

### Source Code Management

Git, GitHub, GitLab, Perforce, CVS

### Build Management

GNU Make, CMake, Nx, Cargo (Rust)

### Package Management

rpm, deb, pkg, Munki, Gorilla, Choco;  
NPM/NPX, Helm; JFrog Artifactory

### CI/CD

GitHub Actions, GitLab CI/CD,  
Jenkins, Argo CD, Azure DevOps

### Container Management/Orchestration

Docker, K8s, Nomad, Docker Swarm

### Cloud Computing

AWS, Azure, GCP; VMware (private)

### Infrastructure as Code (IaC)

SaltStack, Ansible, Packer, Vagrant,  
Terraform, gcloud; Pulumi (basics)

### Continuous Monitoring/Observability

osquery/fleet, Grafana, Prometheus,  
AlertManager, Sactel, ELK Stack

### Security (SCA/SAST/DAST)

HashiCorp Vault, Black Duck, Valgrind,  
AquaSec Trivy; Threat Modeling

### Platforms & Technologies

#### Operating Systems

GNU/Linux, macOS, Windows,  
Embedded Linux (MontaVista, Yocto)

#### Web Development

HTML, CSS, JS/jQuery, Bootstrap;  
Django, Flask, REST, GraphQL;  
Streamlit (Data apps)

#### Web/Applications Servers

Nginx, Apache, Unicorn, Traefik;  
Passenger, IIS (basics)

#### Database Management

MySQL, Snowflake, Elastic, Redis

# SANDEEP KOLI, Sr. DevOps Engineer (Platform Engineering, Snowflake Inc.)

DevOps | Cloud | IoT | IaC | Git | CI/CD | Automation | Security | Containers | K8s | Serverless | Observability

## WORK EXPERIENCE

**Snowflake Inc.**, Oct 2020 - Present

Pune, India

**Sr. DevOps Engineer, Platform Engineering (IaC, CI/CD, Configuration Management)**

Snowflake provides cloud-based data warehousing and analytics solutions for businesses to manage data.

- Led IT organization to achieve 95% CIS compliance for endpoint security and management automation in SaltStack and osquery across 5500+ macOS, Linux, and Windows devices, and VDIs in the Azure.
- Operationalized endpoint management and security workflows by utilizing CrowdStrike and Tenable products on 5K+ endpoints and 700+ VM resources, resulting in a 50% reduction in security incidents.
- Reduced delivery time of software and operating systems updates from 2 weeks to 1 day by implementing CI/CD pipelines in GitHub Actions and AWS services, resulted in more frequent and reliable releases.
- Interviewed 200+ job applicants for internship and lateral positions, mentored 10+ team members

**NVIDIA Corporation**, Nov 2017 - Oct 2020

Pune, India

**Sr. System Software Engineer, Release Engineering (Build & Release, Fullstack)**

NVIDIA is a global leader in AI/ML hard- and software, designs and produces advanced GPU and SoC.

- Collaborated with Product Engineering teams to establish build and release roadmaps for 10+ products.
- Designed and refined a self-service SaaS web application, "Build-&-Release-as-a-Service," improved the delivery and deployment time by 80% from an average of 3 days to less than 2 hours.
- Built and implemented branching and merging CI/CD pipelines in Jenkins (SoC, GPU) and GitLab (Autonomous Vehicles), drastically cutting release time from 1.5 days to less than 2 hours.
- Advocated for regular monitoring and alerting of Release Engineering infrastructure and services, leading to an 80% reduction in downtime through quicker response times and noiseless alerting.
- Created and maintained 20+ comprehensive documents and wiki pages of the company's build and release processes, increasing transparency and accountability by 50%.

**Symantec Corporation**, Nov 2013 - Nov 2017

Pune, India

**Software Engineer, Infrastructure Engineering (Automation Frameworks, IaC)**

Symantec is a cybersecurity company that provides software and services to protect against online threats.

- As a product owner, utilized Agile/Scrum methodology to negotiate sprint goals effectively with the team, resulting in a development and delivery time reduction of over 50% in a single quarter.
- Designed and delivered infrastructure provisioning and deployment automation, reduced the time required to provision and deploy VM images by 90%, resulted in provisioning 50+ VM images on average per week.
- Resolved the shipping issue of the automation framework by creating noarch packages of client software, enabled support for multiple x86/x64 Linux distros (Redhat/Debian-based) and macOS (pkg) platforms.
- Conducted thorough research and analysis to develop effective solutions for the infrastructure automation process, reducing manual efforts and increasing productivity.

**LG Corporation**, Apr 2013 - Nov 2013

Bangalore, India

**Quality Engineer, Quality Engineering (OSS Compliance & Risk Management)**

LG is world renowned for its cutting-edge technology and is a market leader in consumer electronics.

- Collaborated with internal teams to mitigate open source software (OSS) license compliance issues.
- Helped reduce the business risks and ensure timely, on-budget project completion by developing end-to-end automation that integrated Black Duck Protex for Software Composition Analysis (SCA).
- Automated day-to-day manual tasks, resulting in a 400% increase in daily task completion.

**Wipro Technologies**, Mar 2011 - Mar 2013

Bangalore, India

**Software Engineer, Product Engineering (IoT, Embedded Systems)**

Wipro is a global IT services company that provides consulting, technology, and outsourcing solutions.

- Optimized the patient monitoring devices' IPC framework throughput and latency of messages by ~90%.
- Overhauled and decreased the device boot splash screen animation time from 20-25 secs to <3 seconds.
- Researched and performed system profiling on device, achieved code coverage by more than 80%.
- Restructured existing scripts-based build to modern Makefile-based, optimized the build speed ~80%.
- Complete ownership of running static and dynamic code analysis for 100% error-free and compliant code.
- Led the development of automated testing workflows to optimize the overall systems performance by 80%.

**Hasmani IT Services**, May 2010 - Oct 2010

Shahada, India

**Assistant Engineer, Application Development (Desktop & Web Applications)**

Hasmani IT Services is a software and web solutions provider startup based in Shahada, Maharashtra.

- Spearheaded the design, development, testing and deployment of desktop and web applications for local retailers and small/medium businesses, achieving 100% customer satisfaction single handedly.
- Developed ~90% of the company's software and services code in Microsoft .NET framework.

## EDUCATION

Bachelor of Science (Computer Science), 2009

North Maharashtra University, Jalgaon, India

## CERTIFICATIONS

AWS Certified Cloud Practitioner

Microsoft Certified: Azure Fundamentals

## AWARDS

Shining Star, Wipro

Best Efforts, LG Corporation

PES (Product Engineering Services) Excellence, Wipro

WoW (Winning our Way) Level 3, Symantec