





HARDEEP SINGH

DevOps Professional

-  www.hardeepsingh.pro
-  +91-9878398399
-  deep6029@gmail.com
-  <https://www.linkedin.com/in/connect-to-hardeep/>



Targeting leadership positions in IT, Healthcare, and Telecommunications sectors to leverage expertise in DevOps and TechOps management. Open to opportunities in any location, with expertise in AWS cloud.

PROFILE SUMMARY

- Skillful DevOps professional with experience of **13 years** in **Architecting DevOps** and **SecOps Strategies** within an Agile environment.
- Designed and documented **Technical Designs, ETL Architecture** and **Frameworks** for secure integration and **implementation of New Cloud Infrastructure** and applications, achieving enhanced performance and cost efficiencies.
- Spearheaded project teams in application development activities, including **Data Modeling, Application Code Development, User Documentation Creation** and **Testing Plan Formulation**, ensuring high-quality deliverables and project success.
- Deep understanding of **Public and Private Cloud Technology, Continuous Integration/Delivery, IaC (Infrastructure as Code),** and **CM (Configuration Management)** using Jenkins, Ansible, and Terraform.
- Expertise in **Solution provisioning, Migration, DR** and **Business Continuity Plan**, IT Projects Management, Global Team Supervision, SOPs and best practices, **IT Security Audits**, and client interactions.
- Proficient in Virtualization, Cloud, Cloud Security planning, Network Architecture, Administration, Production Support (Automation), and DevOps.
- Leveraged **AWS Services** including CloudWatch, CloudTrail, SQS, Redis, Elasticsearch, Loki, and Grafana for **Message Queuing, Log Aggregation, Real-Time Log Analysis**, and alerts, enhancing operational visibility and response capabilities.
- Skilled in Containerization (Docker) and Container Orchestration (Kubernetes) with a focus on security best practices (**OWASP**).
- Experienced in designing and implementing highly scalable Web Environments (Development/Testing/Staging/Production) on cloud (AWS) with CI/CD pipeline integration.

CORE COMPETENCIES

- **Cloud Infrastructure And Security**
- **Continuous Integration and Delivery (CI/CD)**
- **Infrastructure as Code (IAC)**
- **Configuration Management**
- **Data Modeling**
- **System And Application Migrations**
- **Containerization and Orchestration**
- **Network Security in AWS cloud**
- **Monitoring and Logging**
- **Automation and Scripting**
- **Application Code Development**
- **Vulnerability Threat Assessments**

TECHNICAL SKILLS

- **CI Tools:** Gitlab CICD | Jenkins | AWS Code Pipeline
- **Containerization/Orchestration:** Docker | Kubernetes
- **Configuration Management:** Ansible | Docker | Vagrant
- **Automation:** Ansible | Terraform | Jenkins | Github | Gitlab CICD | Shell scripting
- **Testing Tools:** Performance testing tools like ApacheBench
- **SCM and Code Review:** Git | GitHub | Gitlab | Bitbucket
- **Build Tools:** ANT | Maven
- **Scripting:** Shell | Python (intermediate)
- **Logging:** ELK Stack | Syslog | NewRelic | Papertrail | Loki | Athena
- **Security Tools:** AWS Trusted Advisor | IDS | VAPT | IDP | AWS Inspector | Azure Security Center | Security Audit | Guardduty | Azure Advanced Threat Protection | AWS Shield | Azure DDos
- **Static Code Analysis (Engineering Metrics):** ZAP | OWASP | SonarQube | ETCD
- **Platforms & Servers:** Cloud / IAAS/ PAAS/ SAAS
- **Amazon Web Services:** VPC | EC2 Instances | RDS | Auto Scaling | Athena | SSM | ACM | Glue | Inspector | Guardduty | ELB | Route Tables | NACLs | Endpoint | CloudFormation | CodeDeploy | ECS | EKS | Lambda | SNS
- **Administrative Tools:** JIRA | Confluence
- **Monitoring Tools:** Azure Monitor | Insight | AWS CloudWatch | NewRelic | Grafana | Prometheus | FAN (Fully automated Naigos)
- **Cloud Networking & Security:** AWS VPC | Vnet | VPN | Route 53 | Azure DNS | Direct Connect/Express Route | App Gateway | Load Balancing | NLB | IAM | Microsoft Identity Manager | Application Security | Network Security | Cloud | Security | WAF | Security Planning | Security Policies | AWS Trusted Advisor | SQS | SNS

WORK EXPERIENCE

Technical Manager- DevSecOps | Maropost India Pvt. Ltd. | Mohali, Punjab | Feb '21 - Present

Responsibilities:

- Crafted and documented **Technical Designs** and **ETL Architecture** to ensure the secure integration and implementation of new cloud infrastructure.
- Led **DevOps, Infrastructure, and Data Engineering Teams** to assess and deploy innovative technologies and tools.
- Executed vulnerability threat assessments using **LoopSec** and **Qualys**.
- Utilized **CloudWatch, CloudTrail, SQS, Redis, and Elasticsearch** for log aggregation; leveraged Loki for real-time log analysis and alerting with **Grafana**.
- Spearheaded the design of **Cloud Infrastructure** and developed detailed architecture models for **Test, Development, Staging, and Production Environments**.
- Orchestrated system and application migrations to the cloud, meeting both technical and business requirements.
- Engineered **CI/CD Pipelines** using Bitbucket/GitHub, Ansible/Jenkins, and Docker containers within ECS or Kubernetes.
- Developed solutions to ensure flexibility, scalability, and compliance with security standards.

Team Lead, DevOps | NetSmartz LLC | Chandigarh | Feb 2018 – Feb 2021

Responsibilities:

- Architected and implemented robust security measures across AWS and Azure cloud environments.
- Enhanced existing processes and technologies, implemented automation, IaC, CI/CD pipelines, Docker, Kubernetes, and Micro-Services.
- Managed Monitoring and Alerting, Capacity Planning, and Security Standards.
- Collected functional requirements and specifications from clients, developers, and users.
- Managed security vulnerability lifecycle from detection to closure.
- Automated email notifications for database and high CPU utilization on Linux servers.

PREVIOUS WORK EXPERIENCE

- **Sr. Technical Engineer, DevOps | Hitachi Micro Systems | Chandigarh | Mar 2017 – Dec 2017**
- **Network Administrator | Impinge Solutions Pvt. Ltd. | Mohali | May 2015 – Feb 2017**
- **System Administrator | Bursys Infotech Pvt. Ltd. | Panchkula | Oct 2013 – Oct 2014**
- **IT Administrator | VFirst Digital Media Pvt. Ltd. | Parwanoo | Feb 2012 – Aug 2013**
- **Network Engineer | DOEACC Society – Chandigarh | Aug 2010 – Jan 2012**

PROJECTS

- **Ecommerce Application (AWS Cloud) (Dec 2021 - Present):** AWS Services, Buildkite Pipeline, Terraform, Ansible, Puppet, Nginx, Varnish, Cloudflare, Redis, Memcached, Bash scripts, Dockerfile, ECS.
- **Samsung Estore (Feb 2018 - Jul 2019):** AWS Services, Linux, AWS, Nginx, Apache, MySQL, EC2, ELB, Route 53, EBS, S3, CDN, Redis, SumoLogic, CloudWatch, Jenkins.
- **FinOps Application (Jan 2019 - Feb 2021):** GKE, Managed-OS Linux, Ansible, Grafana, ELK Stack, Prometheus, Loki, Wireguard, Kubernetes, Docker, GitLab CICD.
- **Cypherworx (Aug 2019 - Dec 2020):** AWS Services, Linux, AWS, Apache, MySQL, EC2, ELB, Route 53, EBS, S3, CDN, Jenkins, Grafana.
- **Copeland (Mar 2020 - Feb 2021):** Linux, Jenkins, Grafana, Prometheus, BareMetal, Ansible.
- **United Health Group (Mar 2017 - Dec 2017):** Linux, CentOS, Unix, Managed-OS Linux, OpenVAS, Linux, Apache, DNS, DHCP, Docker, Jenkins, Ansible.
- **MyTaxiRide (Mar 2015 - Feb 2017):** AWS Services, Managed-OS Linux, ELBs, Apache, RDS, S3.

EDUCATION

- Bachelor of Technology (Computer Science), KC College of Engineering & IT, India - 2004 to 2008

CERTIFICATIONS

- AWS Certified Solutions Architect Professional (Certification Number: XF3XG6FKDFRQQVW9)
- AWS Certified Solutions Architect Associate (Certification Number: 0KKZTYD2B2BE175R)

PERSONAL DETAILS

- Date of Birth: 1st September 1986
- Languages known: English, Hindi and Punjabi