

# SURENDER GUPTA

DevOps Engineer

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## SUMMARY

Experienced Full Stack Developer and DevOps Engineer With over 7 years of experience in designing, developing, and deploying web applications, I possess a robust skill set encompassing both front-end and back-end technologies. My expertise is grounded in a strong foundation of software development principles, ensuring the delivery of high-quality, scalable, and efficient applications. In addition, I have integrated DevOps practices into my workflow, enhancing the deployment, monitoring, and maintenance of applications. I am adept at leveraging modern frameworks, tools, and automation to create seamless and intuitive user experiences while maintaining optimal performance, security, and reliability in production environments.

## PROFESSIONAL EXPERIENCE

### NSSoftech

PHP and Full Stack Developer

Delhi / Noida

March 2016 – September 2023

- **Developed and Enhanced Applications:** Created and improved web applications using PHP, Node.js, and CodeIgniter, ensuring clean, functional, and sustainable code. Enhanced user experience and functionality across various platforms.
- **Smart Contract and DApp Development:** Worked on contract-based decentralized applications (DApps) including Fizzyfy, Runbibo, Coinbibo, and NaviCloud. Provided technical expertise and documentation, storing information centrally for easy access and future reference.
- **Remote Collaboration and DevOps Integration:** Collaborated with DevOps engineers to minimize production disruptions, troubleshoot issues, and significantly reduce downtime. Dockerized applications and built Jenkins pipelines to streamline deployment and continuous integration processes.

### Freelance Projects

DevOps Engineer

September 2023 – Present

### LMS Sparrow Coding Labs in Multi Region

- Created Infra using Terraform and Jenkins used for CICD with multiple pipeline and Deployed on AWS
- DevSecOps used SonarQube and Trivy. Kubernetes used managed Cluster on multiple regions. Package Application using Helm.
- Ensured high availability with a multi-node cluster and load balancing. Achieved improved scalability and reduced downtime by 75% and also disaster recovery

### Two-Tier Flask and MySQL Application on Kubernetes

- Deployed a two-tier Flask and MySQL application to handle 10000 concurrent users on AWS and Kubernetes Cluster using Kubeadm.
- Ensured high availability with a multi-node cluster and load balancing. Achieved improved scalability and reduced downtime by 75%

### Multiple API Micro Services in MERN Application

- Managed infrastructure with Boto3 and used Jenkins for automation CI/CD processes.
- Backup using Lambda function and CloudWatch for monitoring and logging and ChatOps integration using Slack
- Ensured high availability with a multi-node cluster and load balancing. Achieved improved scalability and reduced downtime by 75%

## TECHNICAL SKILLS

**VCS** - Git, GitHub | **Containerization** – Docker | **Orchestration** – Kubernetes | **Cloud** - AWS | **CI/CD** – Jenkins | **Scripting** - Bash | **Monitoring** - Prometheus, Grafana | **Language** - Python, PHP, JavaScript | **Frontend** - HTML/CSS, React.js | **Backend** – Node.js | **Databases** - MongoDB, MySQL | **Config & Infra** - Ansible & Terraform

## CERTIFICATIONS

### **HeroVired**

*DevOps and Cloud Engineering*

**September 2023 – July 2024**

### **Microsoft**

*Microsoft Certified: Azure Fundamentals (AZ-900)*

**July 2024**

## EDUCATIONS

### **Indraprastha University, Delhi**

*Bachelor in Computer Application (BCA)*

Percentage obtained 69.45%.

**Delhi**

**2010-2013**

### **Indira Gandhi National Open University, Delhi**

*Master in Computer Application (MCA)*

Percentage obtained 60.04%.

**Delhi**

**2013-2016**

## PROJECTS

### [Deploy MERN Application Using AKS](#)

#### **HeroVired**

- This project involves deploying a scalable MERN (MongoDB, Express.js, React, Node.js) application composed of multiple micro services on Azure Kubernetes Service (AKS) to ensure high availability, efficient scaling, and streamlined continuous integration/continuous deployment (CI/CD) processes.
- **Key skills:** Docker, Kubernetes (AKS), MongoDB, Express.js, React, Node Js, Azure DevOps. Resource Group and Register Resource Provider, NGINX Ingress Controller

### [Mern App With Grafana And Prometheus](#)

#### **HeroVired**

- Develop an advanced monitoring solution for a MERN application using Grafana and Prometheus. This assignment includes setting up detailed monitoring for a full-stack JavaScript application, including database, backend, and frontend performance metrics, as well as log aggregation and tracing.
- **Key skills:** Docker, Prometheus, Loki, Grafana and Distributed Tracing use Zipkin.