

# SHUBHAM NAMDEO

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Senior DevOps Engineer

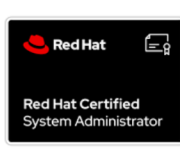
Gulmohar Colony, Bhopal, M.P.



## SUMMARY

Seasoned DevOps specialist with over 8 years of experience and a background in computer science having expertise in Terraform, Kubernetes, Docker, Jenkins, AWS, Python, Django, and Flask frameworks. Coming from a Programming Background, I've worked extensively with AWS services like SQS, Lambda, Amazon EKS, and IAM. I excel at writing, deploying, and converting applications into Lambda functions and layers using Python. Hands-on experience with GitHub Actions, ArgoCD, and GitLab CI. Well-versed in Javascript, Chef, SQL, and Linux Shell Scripting.

## CERTIFICATIONS



- Terraform Certified Associate
- AWS Certified Solution Architect Associate
- RedHat Certified System Administrator

## SKILLS

- **Cloud and Infrastructure:** AWS, Azure-VM, Kubernetes, Docker, Terraform, Pulumi, Git, CrowdStrike, Cloud formation Template
- **DevOps and Deployment:** DevOps, Jenkins, ELK Stack, Chef, Shell Scripting, GitLab CI, GitHub Actions, Terraform, ArgoCD
- **Programming and Scripting:** Python, GoLang, JavaScript, jQuery, Node.js, HTML, CSS
- **Database and Data Handling:** PostgreSQL, MySQL, MSSQL Server, MongoDB, cx-oracle, Teradata.
- **Operating Systems:** Windows, MacOS, Ubuntu, Red Hat Enterprise Linux (RHEL), Kali Linux

## EDUCATION

### Radharaman Institute of Technology and Science, RGPV, Bhopal

Bachelor's Hons Degree in Computer Science Engineering  
2011 - 2015

### Kendriya Vidyalaya No.1, Bhopal

Schooling till 12th  
1999 - 2011

## PROFESSIONAL EXPERIENCE

### Senior DevOps Engineer

Onit India | January 2020- Present



- Implemented, migrated, and managed the architectures with Terraform for SSO-integrated applications in multiple managed environments.
- Developed and deployed end-to-end Lambda functions with SQS for an AI-based Invoice system in all environments.
- Established robust monitoring using CloudWatch, CrowdStrike, and Datadog across multiple environments for EKS.
- Enhanced EKS logging and implemented GitHub Actions streamlining to invoke Jenkins and ArgoCD Jobs.
- Integrated OneLogin with Amazon Cognito for access control.
- Provided guidance on DevOps practices and OpenSearch implementation to other teams.

### Senior Software Engineer

Consultadd | March 2016 - December 2019



- Worked across diverse industries on projects spanning retail, healthcare, automotive, corporate data management, and fitness social networking.
- Demonstrated adaptability across diverse domains and tech stacks.
- Developed serverless architectures using AWS Lambda for automated invoice verification in retail.
- Configured global CI/CD pipelines for automotive AI services.
- Developed Django-based healthcare web and REST apps.

### Associate Software Engineer

Linux Solution | July 2015 - Feb 2016



- Developed a Bash script MLS system with robust security, including SELinux, TCP Wrappers (application level), iptables (network level), and custom-kernel compilation (kernel level).
- Designed Python API endpoints for data migration from Teradata and Oracle in PyMigrator.
- Modular project transformation for reusability with hierarchical data flow and Swagger-friendly APIs.

## PROFESSIONAL EXPERIENCE DETAILS:

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### Senior Devops Engineer : Onit India : Jan 2020 - Present

I migrated the whole application to EKS using Terraform scripts written by me to multiple environments. Reduced AWS costs by analyzing and proposing working solutions for storage and backups. I played a key role in developing and deploying Lambda functions integrated with SQS for an Invoice-related AI system, ensuring automatic invoicing entry triggers. These functions were deployed across dev, production, and recovery environments with robust monitoring using CloudWatch logs and Datadog subscriptions. I also established monitoring and security standards for the invoicing application, subjected it to load and penetration tests, and improved EKS logging with enhanced log tags. I streamlined the GitHub Actions process for better Git usage and introduced Chef deployment changes for updated versions. I facilitated Jenkins migration and centralized code configurations. I implemented OpenSearch on AWS, configured CloudWatch logs, and automated data retention with AWS Lambda. Additionally, I integrated OneLogin with Amazon Cognito for ELK(OpenSearch service) access control. Lastly, I created Kubernetes runbooks, documented readme with build status, added pre-commit hooks, enhanced error processing with CrowdStrike, and provided valuable guidance to other teams on DevOps practices and OpenSearch usage.



### Senior Software Engineer : Consultadd : March 2016 - Dec 2019

I've had the opportunity to work across different industries, contributing to a variety of projects. In the retail sector, I developed a serverless architecture using AWS Lambda functions in Python to automate invoice verification and enhance security measures. For healthcare, I built a Django-based web application from the ground up, implementing multi-tenancy and VPN access for client-specific needs. This involved features such as product search, multi-level security checks, and activity tracking for medication transactions. In the automotive industry, I configured CI/CD pipelines for AI-based automotive services, deploying microservices globally. For data representation and ticket management in a corporate setting, I developed a Python-Django project hosted on AWS EC2, with robust data management capabilities and automation scripts for various tasks. Lastly, I crafted a Django-REST-based application for social networking in the fitness sector, offering real-time chat and personalized suggestions for users. My diverse experience demonstrates adaptability and effective solution delivery across various domains and technology stacks.



### Associate Software Engineer : Linux Solutions: July 2015 - Feb 2016

I developed a Multi-Level Security (MLS) system, utilizing Bash scripts, to ensure secure access for users with diverse security clearances and access needs while preventing unauthorized data, file, and configuration access. The project encompassed three vital components: SELinux and TCP Wrappers for APPLICATION LEVEL access control, Iptables for NETWORK LEVEL firewall policies, and custom kernel compilation at the KERNEL LEVEL to strengthen the system's security. In a separate endeavor, PyMigrator, I designed Python-based API endpoints for seamless data migration from Teradata and Oracle databases, leveraging cx-oracle and Teradata packages. The development process prioritized hierarchical data flow and utilized Flask-RestPlus for Swagger-friendly APIs. To enhance future implementations, I transformed the project into a modular format for easy integration.