

SUDHARSAN N

Cloud DevOps Engineer

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SUMMARY

Hardworking and motivated Cloud DevOps Engineer with expertise in **Python**, **Terraform**, and **Azure**. Experienced in automating workflows, implementing robust **CI/CD** pipelines, managing infrastructure as code, and deploying scalable cloud resources. Skilled in cross-functional collaboration and eager to contribute to building efficient, secure, and reliable cloud and DevOps solutions.

TECHNICAL SKILLS

Languages: Python, Go, Java, C++

Cloud & DevOps: Azure, AWS, Azure DevOps, CI/CD, Terraform, Docker, GitOps

Frameworks & Tools: GraphQL, TensorFlow, Nginx, Azure OpenAI

Core Skills: OOP, Test Automation, Performance Tuning, LLM-Aided Debugging, Object-Oriented Programming

EXPERIENCE

Cloud DevOps Engineer II

Nov 2025 – Present

HP Inc R&D

Bangalore, India

- Building the Global AI Gateway for the HPIP AI Platform using KrakenD, integrating cloud-hosted AI models with secure, config-driven auth validation.
- Developing and extending custom KrakenD plugins to enhance request processing, security enforcement, and scalable API orchestration across the platform.

Cloud DevOps Engineer I

Jun 2022 – Oct 2025

HP Inc R&D

Bangalore, India

- Designed and optimized CI/CD pipelines using GitOps and Terraform, enabling consistent and automated deployments across Azure environments.
- Built reusable Terraform modules and automated Terraform imports using Python to standardize infra provisioning and improve tagging for cost/audit insights.
- Developed Apigee API proxies, hardened Nginx edge servers, and created internal API discovery tooling using Strawberry GraphQL.
- Contributed to AI-driven engineering solutions including the RCA-AI Assistant and personalized print workflows, improving operational efficiency.

DevOps Intern

Feb 2022 – Jun 2022

HP Inc R&D

Bangalore, India

- Implemented Robotic Process Automation using Python, AWS Lambda, and Power Automate, focusing on Optimization of routine DevOps tasks.
- Contributed to Writing automation scripts and infrastructure workflows to streamline CI/CD processes.

PROJECTS

Cloud-Integrated ECG Monitoring Platform

Feb 2022 – Jun 2022

Technologies: NodeMCU, AWS (EC2, S3, DynamoDB), IoT Core

Designed and deployed a real-time ECG monitoring system using IoT sensors and AWS cloud services, enabling remote health data collection and monitoring.

Biometric Authentication for Cloud Security

Aug 2021 – Dec 2021

Technologies: C++, JavaScript, HTML, CSS

Implemented a robust biometric authentication system for cloud-based applications, enhancing security and user experience.

Academic Resource Hub – Full Stack Web App

Aug 2021 – Dec 2021

Technologies: HTML, CSS, JavaScript, Firebase

Built a centralized learning platform for students to access and manage course materials, with secure authentication and dynamic content rendering.

Secure File Transfer System

Aug 2020 – Dec 2020

Technologies: JavaScript, HTML, CSS

Developed a secure file transfer system with a user-friendly front-end interface, enabling efficient and optimized encrypted file sharing.

Advanced Persistent Threat Detection Framework

Feb 2020 – Apr 2020

Technologies: Python

Developed a comprehensive coding framework to detect and mitigate Advanced Persistent Threats, improving overall system security.

EDUCATION

Master of Technology in Software Systems (Specialization: Data Analytics)

2023 – 2025

BITS Pilani

CGPA: 8.6

Bachelor of Technology in Computer Science and Engineering

2018 – 2022

SASTRA Deemed University

CGPA: 8.5

Higher Secondary Education

2006 – 2018

Kendriya Vidyalaya Gill Nagar

Class XII Percentage: 94%

CERTIFICATIONS & LEARNINGS

Microsoft Azure by Memi Lavi

Comprehensive course covering Azure services, cloud infrastructure, and deployment strategies.

Tech Stack: Azure, Azure DevOps

HashiCorp Certified: Terraform Associate 2025 by Zeal Vora

In-depth training on Terraform, including infrastructure as code, state management, and best practices.

Tech Stack: Terraform, AWS, Docker

Learn How To Code: Google's Go (golang) Programming Language by Todd McLeod

29-hour course on foundational and advanced Go programming concepts, covering syntax, concurrency, and web development.

Tech Stack: Go (Golang)

Google Cloud Skills Boost: Generative AI, Responsible AI, and Cloud Resource Management

Completed a set of introductory badge courses on Generative AI principles, Responsible AI practices, and cloud resource management using Google Cloud.

Tech Stack: Google Cloud, Generative AI, Responsible AI

Android App Development by Internshala Trainings

Practical Android development course focused on app architecture, Java-based UI, and scalable code with emphasis on Maintaining state, Writing, and Predicting user interactions.

Tech Stack: Android, Java

LEADERSHIP & COMMUNITY INVOLVEMENT

Technical Program Lead – Computer Society of India (CSI), Education Directorate, National HQ

CIT Campus IV, Taramani, Chennai

Led tech talks, hackathons, and national events at CSI, showcasing leadership, public speaking, and event coordination.

LANGUAGES

English:

Professional Working Proficiency

Tamil:

Native Proficiency

Hindi:

Full Professional Proficiency

Telugu:

Limited Working Proficiency

OTHER SKILLS & INTERESTS

Leadership: Served as the School Pupil Leader during high school, demonstrating strong leadership and organizational skills.

Chess: Proficient at chess, showcasing strategic thinking and problem-solving abilities.

Music: Passionate about Carnatic music and skilled in playing the Mridangam, with years of practice and performances.