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   Apr 2024 – Present

HP RCB Bangalore – Perfect Print Output   *Bangalore, India*

- Designed and optimized CI/CD pipelines with Azure DevOps, implementing test gates and automating mobile releases for faster, reliable delivery.
- Engineered a scalable AI Gateway using Go and Krakend, integrating multiple ML services into a unified, performant API platform.
- Developed internal tools in Python and Go to automate tasks, improve developer productivity, and eliminate release bottlenecks.
- Standardized infrastructure using Terraform and Docker, enabling consistent environments and faster onboarding across teams.

Cloud DevOps Engineer   Jul 2022 – Mar 2024

HP Inc R&D   *Bangalore, India*

- Automated Terraform imports using Python, improving infra tagging for cost and audit insights.
- Built an internal API catalog using Strawberry GraphQL to streamline microservice visibility.
- Developed RCA-AI Assistant with Azure OpenAI for automated root cause analysis in support workflows.
- Enhanced CI/CD workflows to reduce deployment latency and improve environment consistency.

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:	**Hindi:**
Professional Working Proficiency	Full Professional Proficiency
Tamil:	**Telugu:**
Native Proficiency	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.