

# VIJAYMURUGAN K

DEVOPS ENGINEER | SOFTWARE DEVELOPER | AWS | CLOUD SUPPORT  
CERTIFIED AWS SOLUTION ARCHITECT-PROFESSIONAL

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Bangalore, India

AWS-certified DevOps Engineer with 4+ years of experience in cloud infrastructure, automation, CI/CD, and container orchestration. Proven expertise in deploying scalable cloud-native solutions using AWS, Terraform, Docker, Kubernetes, and DevOps toolchains. Skilled in Python scripting and automation to optimize deployment pipelines and reduce operational overhead. Adept at driving system reliability, cost-efficiency, and high availability in production environments.

## OVERVIEW

- Capable of leading end-to-end development and deployment projects, such as an innovative ticketing portal, using Ubuntu and AWS, enhancing customer support by enabling efficient ticket tracking and management.
- Proven potential to optimize cloud infrastructure by deploying and managing AWS EC2 instances for various applications.
- Demonstrated expertise in automating infrastructure deployment through Terraform, and integrating DevOps CI-CD tools like Git, Jenkins, and Ansible to streamline software release cycles.
- Skilled in managing cross-functional, complex projects for global clients, using technologies such as R, Python, Java, Angular, C#, and .NET to support agile workflows and ensure application stability.
- Adept at leveraging cloud-native services like AWS Lambda functions to optimize performance and reduce operational costs, ensuring high availability and scalability in fast-paced environments.

## CERTIFICATIONS

- AWS Certified Solutions Architect—Associate & Professional
- Microsoft Azure Fundamentals (AZ-900) – Udemy
- Cisco Certified Network Associate (CCNA) – CMS IT Services
- System Engineering—CMS IT Services, Trichy
- MySQL, Postgres
- Android App Development & Python, Data Structure and Algorithm



## CORE COMPETENCIES & SKILLS

- Cloud Platforms: AWS (EC2, S3, Lambda, RDS, CloudWatch), Azure
- DevOps & CI/CD: Git, Jenkins, GitLab CI, GitHub Actions, Ansible, Nexus, SonarQube
- Infrastructure as Code (IaC): Terraform, AWS CloudFormation, Packer
- Containers & Orchestration: Docker, Kubernetes, Helm, AWS ECS/EKS
- Monitoring & Logging: CloudWatch, Prometheus, Grafana, ELK Stack, DataDog, Splunk
- Programming/Scripting: Python (Data Structures & Automation), Bash, PowerShell, Java, C#, .NET
- Other Tools: NGINX, Apache, Artifactory, Jira, Confluence, VS Code
- Methodologies: Agile, Scrum, ITIL, GitOps, DevSecOps

## ACADEMIC CREDENTIALS

Mastering in DevOps, Cloud Computing, Cybersecurity and MLOPS/LLMOPS - Scaler DevOps	2024-Present
Masters in Computer Application   Bharathidasan University, Trichy	2019-2021
Bachelors in Computer Application   Bharathidasan University, Trichy	2014-2017

# CAREER CONTOUR

## DevOps Engineer

Sonovision Aetos

2 May 2024 - Present

- Led development and AWS deployment of a Linux-based ticketing portal using Ubuntu, EC2, and JIRA Service Desk, integrating support workflows and enabling seamless issue tracking.
- Automated infrastructure and deployments with Docker, and maintained high availability using container orchestration practices.
- Built Windows and web apps to automate business workflows, significantly reducing manual tasks and operational costs.
- Currently implementing AI automation workflows on a local intranet using N8N, Ollama, Docker Compose, PostgreSQL, Supabase, Qdrant, and Langfuse to integrate RAG-based processing and improve internal efficiency.
- Developed Python applications to extract structured data from PDFs (e.g., Honeywell, Airbus) and export to Excel, utilizing data parsing, JavaScript, and stylesheet rendering.
- Supporting enterprise-level applications and data for AIRBUS and Dassault projects; managing deployments, troubleshooting, and continuous monitoring.

## Associate DevOps Engineer

IDC Technologies - Client, Moody's Corporation

10 Jan 2022 - 22 Apr 2024

- Led the implementation of Terraform to automate infrastructure deployment, reducing deployment time by 50%.
- Worked with Moody's corporation CreditLens US banking project which contains R, Python Development, Java, Angular, QA, Prod, CI-CD, C#, Java, Bash, IDE Toolkit, SDKs, NuGet .Net, and SaS.
- Deployed DevOps CI-CD tools, including Git, Jenkins, Ansible, and GitLab Splunk to ensure efficient software releases, supporting fast iteration cycle and reducing downtime by 30% in agile methodologies.
- Incorporated AWS Lambda functions in the cloud infrastructure to optimize performance and reduce costs.

## Technical Support Engineer

DXC Technology Pvt Ltd - TATA HITACHI

July 2021-Jan 2022

- Dell Certified Server Engineer
- Deploy and manage On-premises services like Server, Storage, and Monitoring
- Implement Software center application Deployment and patches .
- Monitor and optimize infrastructure for performance and cost.
- Implement security best practices and conduct regular audits.
- Develop automation scripts and collaborate with teams to streamline operations.

## Network Engineer (Intern)

Origin ITFS PVT LTD

March 2017-April 2018

- Provision, configure, and maintain server hardware and software components.
- Perform routine system monitoring, troubleshooting, and maintenance tasks.
- Assist in user account management, access control, and permissions.
- Support backup and disaster recovery procedures, ensuring data integrity and availability.
- Collaborate with teams to document system configurations, procedures, and troubleshooting guides.