# Vashanth Saravanan

*Software Engineer*

srivashanth5@gmail.com 9003395719 Vashanth www.vashanth.space

Vashanth S

## PROFILE

I have more than two years of expertise in designing, deploying, and managing cloud-based infrastructures and applications, making me a highly experienced professional. a track record of managing cross-functional teams to produce high-quality solutions on schedule and on budget. proficiency with DevOps technologies and techniques like CI/CD, Infrastructure as Code, and Configuration Management, as well as the AWS and Azure Cloud Platform.

## PROFESSIONAL EXPERIENCE

**CGI IT AND BUSINESS CONSULTING** 2021 – present
System Engineer Bangalore, India

- Transformed CI/CD pipelines with GitLab CI/CD, reducing deployment time by 40%.
- Introduced Terraform for IaC, cutting provisioning time by 25%.
- Migrated legacy apps to Docker/Kubernetes, resulting in a 30% server cost reduction.
- Implemented Prometheus/Grafana, minimizing downtime by 20%.
- Engineered AWS multi-region setup achieving 99.99% uptime.
- Optimized cloud costs, reducing expenses by 15%.
- Integrated automated security scans for early vulnerability detection.
- Enhanced incident response, decreasing MTTR by 25%.
- Fostered cross-functional collaboration and agile practices.
- Conducted comprehensive documentation and training for knowledge sharing.

**TMI** 2020/01 – 2020/07
SOFTWARE ENGINEER Dindigul

- Assist in migrating on-premise systems to AWS for scalability and flexibility.
- Configure AWS Aurora databases for high quality and data integrity.
- Developed Python and shell scripts for system automation.
- Collaborated with senior engineers to resolve product issues, increase system performance.

## SKILLS

**Programming and Development:**
Python, JavaScript, TypeScript, .NET Core

**System Administration and Monitoring:**
Windows/Linux Admin, System Monitoring, Nagios

**Automation and Scripting:**
Shell Scripting

**Cloud Platforms and Services:**
AWS, Azure Functions

**Networking and Protocols:**
TCP/IP, DNS Management

**Agile Methodologies:**
Agile Dev, Project Management, Business Process Understanding

**Infrastructure and Automation:**
DevOps, Terraform, Docker, Kubernetes (EKS), Jenkins, Puppet, CI/CD Pipelines, Apache Maven, Git

**Problem-Solving and Analysis:**
Analytical Problem-Solving, Debugging, Issue Resolution

## EDUCATION

**MBA Finance And Marketing** 2021 – 2023
JAIN UNIVERSITY Online
CGPA: 8.4

**Bachelor in Mechanical Engineering** 2017 – 2021
SSM Institute of Engineering and Technology DINDIGUL
CGPA: 7.4

## PROJECTS

**DevOps Project using Git, Jenkins, Maven, Ansible, Docker & Kubernetes.**
CI/CD Project

- The Jenkins server streamlines software program integration (CI), automating build, check, and deployment.
- Maven compiles code and runs checks in CI, then deploys artifacts to Tomcat.
- In CD, Docker creates app box snap shots, deployed on Kubernetes.
- Ansible automates Docker hosts and Kubernetes clusters. AWS EKS simplifies Kubernetes deployment on AWS.

**CLOUD NATIVE MONITORIONG APP**
Devops Project

- Designed and constructed a cloud-native monitoring application leveraging microservices architecture.
- Created a scalable and fault-tolerant application using AWS, GCP, and Azure services.
- Employed DevOps practices such as Jenkins and Git for automated deployment and continuous integration.
- Used AWS CloudWatch, GCP Stackdriver, and Azure Monitor to implement real-time monitoring and alerting.
- Redundancy and load balancing methods ensured great availability and reliability.
- Analysed metrics and logs from cloud platforms to troubleshoot and resolve performance issues.
- Worked with cross-functional teams to gather requirements and put new features in place.
- Technical design, implementation details, and operational processes were all documented.
- Regular performance and security audits were performed in order to improve the application's efficiency a

**AWS-EC2-PATCH-AUTOMATION**
Devops Project

- Amazon Web Services (AWS) was used to create and deploy an effective EC2 patch automation solution.
- Set up continuous integration and deployment pipelines for seamless upgrades to demonstrate experience in DevOps practices.
- To guarantee a seamless implementation process, I collaborated well with cross-functional teams through clear and concise communication.
- Investigated viable alternatives by investigating and assessing Google Cloud Platform (GCP) and Microsoft Azure options for the project.
- Throughout the project lifecycle, dependability was prioritized to ensure that the patch automation solution met the specified service level agreements (SLAs).
- Orchestrated software deployment techniques reduce service downtime and user impact during patching.
- Troubleshooting abilities were demonstrated by identifying and resolving issues that happened during the deployment and automation phases.

## CERTIFICATES

**Az-900: Microsoft Azure Fundamentals**
Cloud Security and Compliance: Understand vital aspects of cloudsecurity, privacy, compliance, and trust within Azure, ensuring data protection and regulatory adherence.