VAMSI PENMETSA

Lead DevOps Engineer

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ABOUT ME

Vamsi is a dynamic DevOps professional with a stellar career path, transitioning from a Manual Tester to a Lead Systems Engineer at EPAM Systems, boasting an impressive **7 active Azure Certifications**. With extensive expertise in **Azure DevOps, Azure Cloud, AKS, ARM templates, and Terraform for Infrastructure as Code (IAC), he leverages PowerShell and Python scripting to enhance system automation and efficiency**. Vamsi has successfully transitioned through various roles—Automation Engineer and DevOps Engineer—mastering crucial practices such as **Site Reliability Engineering (SRE), Platform Engineering, and Cloud Engineering.** His client portfolio includes industry giants like IMF, WTW (willis towers watson), Wolters Kluwer, Corteva Agrisciences, and UBS Swiss. Most recently, Vamsi served as Lead SRE on a prestigious project with IMF iData, managing Azure Cloud infrastructure. He has collaborated on-site with Microsoft for over two years on the Kaizala Social Media App, which serves 10 million users. Vamsi has developed migration plans for Switzerland's largest bank and built inventories for four applications from scratch. He excels in developing and automating processes for infrastructure recreation, configuring end-to-end Azure DevOps pipelines, and troubleshooting issues on both Windows and Linux systems. Proficient in Agile Methodology, he thrives in multicultural environments and distributed teams, making him an invaluable asset to any organization. **Conducted 100+ Technical Interviews in Azure, DevOps and SRE Disciplines at EPAM Systems.**

EDUCATION

Bachelor, Vishnu Institute of Technology, Bhimavaram | 2019

SKILLS

⦾ Azure DevOps   ⦾ IT Infrastructure Management   ⦾ Azure Cloud   ⦾ AKS   ⦾ DevOps Consulting   ⦾ Client Communication

LANGUAGES

⦾ English (Level C1)   ⦾ Telugu   ⦾ Hindi

PROFESSIONAL CERTIFICATIONS

Microsoft Certified: DevOps Engineer Expert

Microsoft Certified: Azure Administrator Associate

Microsoft Certified: Azure Security Engineer Associate

HashiCorp Certified Terraform Associate

Microsoft Certified: Azure Solutions Architect Expert

WORK EXPERIENCE

Lead Systems Engineer | EPAM Systems | Apr 2023 - Present

- Successfully migrated Azure DevOps Build Agents from static VMs to VMSS spot instances, utilizing Packer for image building and Puppet for configuration management for willis towers watson.
- Optimized CI/CD pipelines for client systems, consistently delivering results within the expected timeframe.
- Solved the critical pipeline agent IIS Hardening issues by finding the root cause.
- Led Site Reliability Engineering at IMF iData, driving system reliability and observability through Azure and ITIL v4 frameworks.
- Pioneered automation initiatives, optimizing incident responses and enhancing fault detection via in-depth postmortem analyses.
- Spearheaded technical recovery during major incidents, effectively managing post-incident resources to ensure seamless operations.
- Improved on-call response processes while mentoring junior engineers on industry best practices to promote knowledge sharing.
- Leveraged Azure, Docker, Kubernetes, SNOW, and Linux/Windows administration to elevate public cloud infrastructure performance.
- Utilized strong problem-solving skills, technical expertise, and effective communication to meet tight deadlines and encourage continuous learning.

EPAM Poland Ambassador | EPAM Systems | Jan 2023 - Apr 2023

- Selected as Epam Poland Ambassador club member!!!

Senior Systems Engineer | EPAM Systems | Aug 2022 - Mar 2023

- As Cloud DevOps Lead, implemented end-to-end PAAS infrastructure for Corteva's Salesportal on Azure using ARM, Bicep templates and Azure DevOps YAML pipelines.
- Led a DevOps team to initiate and deliver the project Infrastructure within three months, exceeding client expectations.
- As a Senior DevOps Engineer at UBS Switzerland, executed migration of legacy applications to Azure Cloud with minimal downtime.
- Utilized Terraform and ARM templates for swift deployment in Azure Cloud environments.
- Handled access-related issues, contributing to team efficiency and collaboration.
- Applied Maven for application building, aiding inventory creation and risk reduction in migration planning.

Systems Engineer | EPAM Systems | Apr 2022 - Jul 2022

- Automated channel creation in Octopus Deploy CD with Power Shell and Azure DevOps CI, enhanced deployment management using Octopus Deploy's RESTful API.
- Managed Kubernetes pods, used Terraform for cloud infrastructure, ensuring optimal performance and reliability.
- Integrated Octopus Deploy CD test results into Azure DevOps CI for effective reporting and monitoring.
- Efficiently managed 20+ PBIs, resolved 30+ support tickets demonstrating high productivity.
- Implemented the KICS analyzer using Docker to scan Terraform manifests, improving code quality and security.

Digital Marketing & Automation Engineer | ITVersity, Inc. | Dec 2020 - Mar 2022

- Managed Itversity's YouTube channel with 55K+ subscribers and social media platforms with 15K+ followers.
- Led the team to create the Linux systems blogs on the Medium.
- Used YouTube API and Python for efficient bulk upload of video metadata.
- Served as Itversity's social media strategist, planning and executing effective digital marketing campaigns.
- Aided in managing and automating digital media content, along with creating digital illustrations.

Systems Engineer | Tata Consultancy Services | Aug 2021 - Jan 2022

- Managed and deployed Microsoft Kaizala's Alpha, Pre-Prod, and Prod release pipelines ensuring seamless app delivery.
- Enhanced efficiency and automation working on CI/CD pipelines for portal and mobile app using Python, PowerShell, and YAML scripts.
- Migrated APK data and build pipeline from on-premise servers to Azure Cloud using Python, boosting scalability and reliability.

Systems Engineer | Tata Consultancy Services | Apr 2020 - Jul 2021

- Transitioned from manual to Python-automated testing, improving coverage and speed.
- Utilized Azure SQL Database, Azure DevOps, Agile methodology, Git, Android Studio, and Appium with Python for mobile app automation.
- Enhanced data quality and accuracy through cleaning telemetry logs from the Azure SQL Database.
- Implemented Appium with Python for test automation, improving test reliability and maintainability.
- Reduced daily OCV process effort from 2.5 hours to 30 minutes using VBA script and macros.

Associate Systems Engineer | Tata Consultancy Services | Jun 2019 - Jan 2020

- Participated in McD BANCS Implementation for Lloyds Banking Group, contributing to mutual funds website development.
- Utilized Core Java, JavaScript, SQL, JBoss Application Server, and Jenkins for optimal performance and security.
- Gained corporate experience, proficient in Agile and Lean framework.

Software Engineer Intern | ITVersity, Inc | May 2018 - Jul 2018

- Served as a MERN Stack Developer at ITVersity, additionally contributed to editing YouTube content.