

Praveen Kalavai

DevOps Engineer

Lewisburg, PA | 502 905 8171 | praveenkalavai@outlook.com | [LinkedIn](#)

Summary

- Seasoned DevOps Engineer with a over a decade of experience, specializing in the design and execution of automated CI/CD pipelines, achieving a 90% reduction in deployment times and a 50% boost in release frequency.
- Adept in PowerShell, Windows administration, Azure DevOps tools and services with a solid foundation in cloud technologies and infrastructure automation.
- Efficiently collaborated with cross-functional individual scrum teams to ensure high quality and timely delivery of builds and releases. (weekly, monthly & break fixes).
- Hands-on experience in Azure DevOps services, in containerization and Infrastructure-as-Code.
- Passionate about DevOps, AI and highly motivated to learn.

Experience

Build/Release Engineer | Nevada Gaming Control Board

2024-Present

- Developed and maintained automated **Continuous Integration** and **Continuous Deployment** pipelines for .NET applications on **Azure DevOps** and **TFVC** significantly reducing the deployment times by over **90%** demonstrating expertise in DevOps practices.
- Authored custom PowerShell scripts for automating the bug reports, email notifications and SQL script deployments streamlining operations and improving system reliability.
- Administer the AzureDevOps Agent pools, deployment agents for both Azure DevOps Server(OnPrem) and AzureDevOps (cloud hosted) instances.
- Managed the Azure Artifacts Feed and custom NuGet packages related to the .NET applications.
- Managed Azure DevOps Teams, Projects and Dashboards for work item & Project management.
- Built and Administered SonarQube dashboard for code quality analysis, ensuring high standards of code integrity and project oversight.

Lead DevOps Engineer | Humana Inc

2015-2024

- Spearheaded the design and implementation of robust and fully automated **CI/CD** Pipelines for .NET applications using **TFS**, **Azure DevOps (Both Classic and yaml Pipelines)** and **PowerShell**, achieving a **reduction in deployment times and streamlining workflows**.
- Engineered and executed automated **SQL Database builds/releases** via **SQL Server Data Tools** & Azure DevOps and **SSIS Package** builds and deployments using Azure DevOps and PowerShell scripts enhancing operational efficiency.
- Experienced in **Windows Administration**. Setup, Maintain and monitor over 150 Web and Application servers with over 99% up time.
- Integration of **NuGet** Packages, libraries and build artifacts, with configuration management tool **JBake** Artifactory.
- Perform Code Quality Analysis with **SonarQube**, and Static/Dynamic/OSA security scans with **CheckMarx**.
- Implemented **automated unit and functional testing** using **Microsoft VS Tests**.
- Automated **load testing and stress testing** to validate the applications before deploying them for client use with **Soap UI**, **JMeter**, **PostMan**.

- Leveraged the rich feature set of **PowerShell** scripts and **Desired State Configuration** Scripts for automating code deployments and server monitoring.
- Provided support and consultation in **Troubleshooting** the applications and servers by performing root cause analysis on issues and bugs that need resolution using **DynaTrace OneAgent**.
- Managed Azure DevOps Teams, Projects and Dashboards for work item & Project management.
- Led the On-Premise Windows Server Migrations of Web, App, SQL, SSIS Server environments across multiple versions from Windows 2008 to Windows 2019, ensuring seamless transition while maintaining over 99% uptime for critical web and application servers.

.NET and SQL Developer | Humana Inc

2014-2015

- Worked in **SQL database development** creating advanced functions, triggers, stored procedures with SQL Server Management Studio and Microsoft PDW.
- Worked on **SSIS** development to transform and load terabytes of data from **Oracle -> PDW, Oracle -> SQL and PDW -> SQL** databases, significantly improving data process and load times.
- Experience working on quick resolutions for Incident and problem tickets for Development and SRE teams.
- Developed and maintained **Class Library Applications, .NET WCF Services, Console Applications, WEBAPIs and Entity Framework** solutions.

Business Rules Developer | Humana, Inc

2012-2014

- Experiences in **designing** and **development** of Enterprise Applications and business critical systems using **FICO Blaze Advisor 6.9.2**
- Developed and Implemented rules-based solutions in **Structured Rule Language SRL** using **FICO Business Rules Engine**
- Transformed the **business** requirements into appropriate Rules and in RMA leveraging **Rule Flows, Rule Set, Functions and Decision Table** Metaphors in rule development
- Engineered and deployed **.NET** Wrapper services and **.Net** Class library applications facilitating seamless integration of Rules workflow with the external applications.

.NET WPF Developer | Humana, Inc

2009-2012

- Developed UI screens for Customer Care portal in **WPF**, enhancing the user interface responsiveness and customer satisfaction through intuitive design and functionality.
- Experienced in implementation of **MVVM** and **Façade** design patterns.
- Optimized the data access Layer performance by implementing **LINQ** for executing stored procedures on SQL Server database.

Education

Jawaharlal Nehru Technological University

2005-2009

Bachelors | Information Technology

Skills & abilities

- **Languages:** C#, Python, SQL, PowerShell, Desired State Configuration, Azure CLI, Bash, YAML, HTML
- **Databases:** SQL Server, Microsoft PDW, Azure SQL, Azure Data Factory
- **Artifact Management:** JFrog, NuGet, Azure Artifacts
- **Source Control Systems:** TFS/VSTS, Azure DevOps, Git, GitHub
- **Agile Framework, Kanban, Scrum**

- **Software:** Dynatrace, SonarQube, CheckMarx, SQL Server Data Tools, SQL Server Integration Services, Soap UI, Postman, JMeter, Hashicorp Vault, UniViewer (\$Universe), Launch Darkly, Microsoft Power Automate
- **Containerization/Infrastructure as Code:** Docker, Azure Container Instances, Azure Kubernetes Service, ARM Templates, Terraform, Bicep
- **Azure:** Azure CLI, Azure DNS, Azure Load Balancer, VNET Peering, Azure VPN, Network Security Groups, Application Security Groups, Azure Storage, Azure VM, Azure App Service, Azure Monitor, Log Analytics, Network Watcher, Azure Alerts, Azure AI Services, Azure Entra ID, Azure DevOps.

Certifications

AZ-305: Designing Microsoft Azure Infrastructure Solutions - Microsoft

Credential ID 336FCA8087562825

AZ-400: Designing and Implementing Microsoft DevOps Solutions - Microsoft

Credential ID 182ECE3F5F0859E7

AZ-104: Microsoft Azure Administrator - Microsoft

Credential ID AD97E9CA8DE32D8A

AZ-700: Microsoft Azure Network Engineer Associate - Microsoft

Credential ID 847EDB9440DF15A5

AI-102: Microsoft Azure AI Engineer Associate - Microsoft

Credential ID 891D36CCAF66C22F

PL-900: Power Platform Fundamentals - Microsoft

Credential ID B7B2E1DDA6643E71

AI-900: Microsoft Azure AI Fundamentals - Microsoft

Credential ID 6B633788CDF10063

AZ-900: Azure Fundamentals - Microsoft

Credential ID 6579D14324B9834