# **LAVANYA KASTURI**

**GitHub:** <https://github.com/LakshmiLavanyaKasturi> **LinkedIn**: [Lavanya Kasturi | LinkedIn](https://www.linkedin.com/in/LakshmiLavanyaKasturi/)

**Microsoft Azure Cloud,** Redmond WA **May 2020 - April 2021**

***Programmer writer***

**Azure Digital Twins:**

* Wrote an article to use **PowerShell scripts** to automate the process of setting up an Azure digital twins instance and authentication using **Markdown.**
* Worked with developers to improve automated scripts to onboard users to Azure digital twins service. Identified 5 key issues and improved the efficiency of the script from 40 to 75%.
* Authentication using OAuth2.
* Linked App registrations using Power shell and Azure portal.
* Authorization scripts for automated access control.
* Control plane APIs and Data plane APIs.
* Used **POSTMAN** to import digital twins **SWAGGER** files and used HTTP methods to call API.
* Used SQL based Azure Digital Twins query language to query the twin graph.
* Used ARM API’s to create an endpoint with dead lettering using C#.
* Worked on content standards report for Azure services using **Power BI** and improved the document standards from 55% to 85%.
* Used **DevOps** for sprint planning, reporting, and task management.

Samples:

* [Integrate with Azure Time Series Insights - Azure Digital Twins | Microsoft Docs](https://docs.microsoft.com/en-us/azure/digital-twins/how-to-integrate-time-series-insights)
* [Set up an instance and authentication (PowerShell) - Azure Digital Twins | Microsoft Docs](https://docs.microsoft.com/en-us/azure/digital-twins/how-to-set-up-instance-powershell)
* [Ingest telemetry from IoT Hub - Azure Digital Twins | Microsoft Docs](https://docs.microsoft.com/en-us/azure/digital-twins/how-to-ingest-iot-hub-data?tabs=cli)

**MS Learn project:**  **Oct 2020 - Feb 2021**

* Edited learning content adhering to learning standards.
* Contributed to 4 learning modules for Azure Digital Twins.
* Supported team with the **Github** process in reviewing and publishing the content.

Environment: Azure *cloud*, C#, Azure cloud shell, Visual studio code, GitHub, markdown, Visual studio, Power BI, DevOps.

**Swarajhari School of Music**   **May 2015 - Present**

#### **Founder and Director**

* Planning, scheduling classes for 35+ students at various levels.
* Organizing workshops for students to learn different types of compositions.
* Documenting the musical notations and maintaining them in the cloud.
* Generating reports for the student growth and sharing them with the parents on a regular basis.
* Planning and executing in-person and virtual musical performances.

### **Ensocare – Transition,** Seattle WA **Aug 2013 - Dec 2014**

#### **Program Manager**

Transition is an e-platform to help hospitals and care provider’s streamline the patient transition post-discharge.

* Designed and developed key results and product progress dashboards.
* Delivered project milestones collaborating with a team of 16 developers and 14 Quality assurance analysts.
* Designed and delivered end to end, a Version 2 product.
* Planned and Prioritized product requirements into developer features2.
* Designed customized features for a client “Cerner” on Version 1 and delivered on time.

Environment: Java, Spring Framework, Spring MVC, Hibernate, RESTful services, My SQL, SQL Server, Angular JS, HTML, CSS Bootstrap, Junit, Maven, JIRA.

**Ensocare – CareFinder Pro,** Seattle WA **Aug 2013 - Sep 2014**

***QA Lead and Technical Project Manager***

Care Finder pro is an e-platform to help hospitals find the correct care providers for the patients who need extra care post discharge. Responsible for maintenance of the project post initial development, triaging and fixing any production issues.

* Involved in business requirement discussions with Product owner and customer.
* Smoke testing, triaging defects and responding to service incidents.
* Major bug verification for the released versions of the product.

Environment: Java, Spring Framework, Spring MVC, Hibernate, RESTful services, My SQL, SQL Server, Angular JS, HTML, CSS Bootstrap, Junit, Maven, JIRA

### **G/Technology-Designer –** Intergraph, Hyderabad, India. **Aug 2011 - Jul 2012**

#### **Software Analyst**

G/Technology is a feature-rich application platform designed to meet the geospatial resource management needs of utilities and communications companies.

* Written test cases for new features and updated tests based on the changes. Analyzed project requirements to find bugs and eliminate issues.
* Worked extensively with engineering staff to better understand geospatial solutions and benefits.
* Created, edited, and updated project manuals and technical documentation used by the entire QA team. Executed and monitored standards for user interfaces, page design and graphics development.

Environment: C#.net, Oracle 10g/11g, Manual Testing, QTP 10 & Toad, QC(ALM).

## **EDUCATION 2007 - 2011**

## Jawaharlal Nehru Technological University, India

Bachelor’s degree in Electronics and Computers Engineering.

## **CERTIFICATIONS/LEARNINGS**

* Advanced certificate course in structured writing for technical documentation from University of Wisconsin-Eau Claire.
* Introduction to Software Product Management by University of Alberta from Coursera.
* HIPAA certified professional for governing the sharing of patient medical records in the United States.
* Azure fundamentals from learn.microsoft.com.
* Applied Machine learning from learn.microsoft.com.
* Learning to write for the web from Lynda.com.
* Learning Rest API’s from Lynda.com.

## **TECHNICAL SKILLS**

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| **Languages/Frameworks** | Java, Markdown, C#, SQL |
| **Web Technologies** | HTML, CSS, JavaScript, Ajax, JSON, XML |
| **Databases** | MySQL, SQL Server |
| **IDEs/Tools** | GitHub, Visual Studio Code, Power BI, DevOps, Visual Studio, oXygen |
| **Software Methodologies** | Agile Scrum, Waterfall |
| **Testing Tools** | Selenium, Junit, JMeter, Jira, QC (ALM). |