Maharshi Suthar

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[Website](https://msuthar09.github.io/) | [Linkedin](http://www.linkedin.com/in/msuthar09) | [github](https://github.com/msuthar09)

Experienced Junior Cloud Developer with strong skills in Python, C#, Docker, Kubernetes, TypeScript, JavaScript, HTML/CSS, SQL, and Azure. Designed and developed self-service DevOps applications for automated actuarial code deployment and Python-based ETL pipelines for data processing and analysis. Proven ability to manage Docker and Kubernetes containers in production environments and develop CI/CD pipelines. Skilled in Git version control for collaborative software development. Demonstrated excellent communication skills and ability to work independently or in a team.

# Skill Matrix

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Programming Language | Tools & Framework | Hosting / Cloud | Orchestration | Project Management |
| Python | VS Code | Azure | Kubernetes | Agile |
| C# | Docker | GitHub | Terraform | Scrum |
| JavaScript | Unity | Serverless Function | Azure DevOps (Pipelines) | Azure Boards |
| TypeScript | Django | Microsoft SQL Database | GitHub Actions | GitHub Projects |
| HTML / CSS | DotNet | Azure Blob Storage | Helm |  |
| SQL | Azure Data Studio | Virtual Machines |  |  |
| MatLab | LabView | Postgres |  |  |

# Work Experience

## Junior Cloud Developer

### Righteous AI Inc.

#### March 2022 – Present

* Developed a self-service DevOps application for automated actuarial code deployment using C# and .NET Core, resulting in a reduction of deployment time by 50% and eliminating manual errors in the process.
* Designed and developed Python-based ETL pipelines for data processing and analysis for the Actuarial models, which used the new concept of configuration-as-code to allow for pipeline definition using YAML language. The ETL pipelines were flexible and reusable for handling Python pandas data and processing. It resulted in a significant increase in data processing efficiency and reduction in data errors.
* Implemented pytest framework for automated testing, resulting in a 40% reduction in manual testing efforts and increasing code coverage above 80%. This improved software quality, reduced the number of production defects, and enhanced overall code stability.
* Developed and maintained Docker images and containers in production environments to ensure scalability, availability, and performance. Developed Docker-based workflows for continuous integration and continuous deployment (CI/CD) pipelines, leading to a great improvement in scalability and a reduction in infrastructure costs.
* Created and deployed Kubernetes clusters and managed Kubernetes pods and services in production environments to ensure scalability, availability, and performance. Developed Kubernetes-based workflows for CI/CD pipelines, which resulted in an increase in application availability and a 75% reduction in deployment time.
* Developed custom VS Code extensions for productivity and collaboration tools and maintained web applications using Node.js. Developed and maintained web applications using modern front-end frameworks such as React and Vanilla JS. Developed and maintained scripts for website functionality and automation, leading to an increase in developer productivity and great improvements in collaboration efficiency.
* Developed and optimized databases for business and enterprise clients, designed and implemented complex database schemas and queries, and optimized database performance for large-scale data processing and analysis, resulting in an improvement in query performance and more than 90% reduction in database unused space.
* Developed and maintained cloud-based applications and services using Microsoft Azure services, integrated Azure services such as Azure Functions, Azure Blob Storage, and Azure AD into cloud-based applications for a financial services client and developed and maintained CI/CD pipelines using Azure DevOps for a software development team, resulting in a 50% reduction in operational costs and an increase in system reliability.
* Managed code repositories for collaborative software development for a team, implemented code review processes using Git pull requests, and developed and maintained Git workflows for CI/CD pipelines and software releases for a variety of projects. Managed code repositories for website hosting through GitHub pages service, which resulted in a significant reduction in software defects and a 20% improvement in overall code quality.

# Education

## Bachelor of Science with Honors in Physics

### York University

#### September 2017 – October 2021