

# Humphry Shikunzi

Full Stack DotNet SOFTWARE ENGINEER

## PROFILE

Software Engineer, proficient and with rich experience in dotnet and python

## ACADEMICS

### Dedan Kimathi University of Technology

BSc. Electrical & Electronic Engineering

- Wireless Communications - Signals - Microprocessors
- Digital Electronics - Artificial Intelligence
- Data Structures and Algorithms

## SKILLS

- Systems Architecture and Design: Designing Systems that are Scalable, Robust and Secured
- Backend & dotNet Development: .NET Core, C#, ASP.Net, Entity Framework, in Visual Studio and VS Code
- Cloud, Databases and APIs: Azure, Digital Ocean, NoSQL, SQL -> SQL Queries, Stored Procedures, Scalar and Tabular Functions, Views,
- APIs: E.g MPesa and PesaPal Payment APIs
- Virtualization technologies: Docker containers
- Agile Development
- Microservices
- GraphQL Data \$ Rest API

## CERTIFICATIONS

1. Fundamentals of Deep Learning | 2021
2. Azure Fundamentals | 2020

## CONTACT

### Email

[humphry.shikunzi@outlook.com](mailto:humphry.shikunzi@outlook.com)

### LinkedIn

<https://www.linkedin.com/in/humphryshikunzi>

### GitHub

<https://github.com/humphryshikunzi>

### Portfolio

<https://humphryshikunzi.github.io>

Phone : +254742267032

## REFEREES

1. Julius Karanja, Head of Engineering, Pamride, [julius.karanja@pamride.com](mailto:julius.karanja@pamride.com)

## WORK EXPERIENCE

### Software Engineer

[PAMRIDE](#) | JANUARY 2022 - PRESENT

- Working on a team that designed, implementing and testing a robust, scalable and secure backend that can serve thousands of requests for users of the Mobile app the company is building on cost sharing, see more at Company [website](#).
- The technologies involved include ASP .NET Core, Microsoft Azure, Serverless computing, Graph Data, Data Analysis, Networking Protocols, Database Optimization, Software Development Security, Penetration Tests, Agile Development and virtualization using docker containers.
- Other skills learnt include: Teamwork and collaboration, Solid Communication, Leadership, Ownership, Taking responsibilities, Dealing with emergence and ambiguous problems and Adaptability in different work environments

### Freelance Software Engineer

PICIADE COMPANY LIMITED | NOV 2021 - DEC 2022

- Worked on a team that designed and developed an ERP (Enterprise Resource Planning) software using ASP.Net, ASP.Net Core, C#, Java Script and MS SQL Server. IDEs used are Visual Studio and VS Code
- The ERP system was successful and currently used by more than 10 clients at an enterprise level.
- Key pillars of the system include Accounts Management, HR, Stocks, Procurement, Workshop, Project, Finance, Purchasing and Reports & Analytics Management

### Researcher & Developer Intern

DATA SCIENCE AND ARTIFICIAL INTELLIGENCE, [DSAIL](#) | JANUARY 2019 - DECEMBER 2021

- Worked on a team that designed and developed a digital learning device, on a project named [Cafrilearn](#), that is affordable to help children in hard to reach communities access learning materials. Technologies used include - Electronics, Flask, ASP.NET Core. Programming languages used - Python, C#, C
- Investigated Machine Learning methods for other various uses
- Designed and Fabricated IoT devices for data collection

## ACHIEVEMENTS & COMMUNITY

- Deep Learning Instructor, Nvidia | Dec 2021 – Dec 2022
- EMEA Regional Champion, Imagine Cup, [Cafrilearn](#) | 2021
- Beta Microsoft Learn Student Ambassador | 2019-2021
- Tech Lead – Microsoft Tech Community, Dedan Kimathi