

Humphry Shikunzi

SOFTWARE ENGINEER

PROFILE

Software Engineer, proficient and with rich experience in C#, Python and C

ACADEMICS

Dedan Kimathi University of Technology

BSc. Electrical & Electronic Engineering

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

SKILLS

- Systems Design - Designing Systems that are Scalable, Robust and Secured
- Backend & dotNet Development - .NET Core, C#, ASP.Net
- Cloud, Databases and APIs - Azure, Digital Ocean, NoSQL, SQL – SQL Queries, Stored Procedures, Scalar and Tabular Functions, Views, Graph Data, Rest API
- APIs - E.g MPesa and PesaPal Payment APIs
- Virtualization technologies - Docker containers
- Agile Development

CERTIFICATIONS

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

CONTACT

Email

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LinkedIn

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

GitHub

<https://github.com/humphryshikunzi>

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REFEREES

1. Julius Karanja, Head of Engineering, Pamride, julius.karanja@pamride.com

ACHIEVEMENTS & COMMUNITY ENGAGEMENT

- Deep Learning Instructor, Nvidia | Dec 2021 – Dec 2022
- A Mentee, Safaricom Mentorship Program | 2020-2021
- EMEA Regional Champion, Imagine Cup, [Cafrilearn](#) | 2021
- National Winner, Team Tracktile, Wazihub Innovation Challenge | 2021

- Beta Microsoft Learn Student Ambassador | 2019-2021
- Tech Lead – Microsoft Tech Community, Dedan Kimathi University | 2019- 2020

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.
- 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

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 [Cafilearn](#), 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 applications
- Designed and Fabricated IoT devices for data collection
- Developed Data Collection pipelines for IoT applications
- Produced Technical Results and Documentation for tasks done