# Humphry Shikunzi

## Software Engineer

More than 4 years of experience in designing, implementing, testing, deploying and monitoring software solutions.

## WORK EXPERIENCE

**Software Engineer**                                    **January 2022 - Present**

Pamride, Kenya

- Collaborated with a cross-functional team to design, implement and test a secure and robust backend for a ride-sharing app; reduced Azure hosting costs by 35% and server response time by 40%.
- Implemented data analysis and optimization techniques, resulting in a 25% improvement in database query execution time and a 20% increase in overall system efficiency.
- Involved in building the website using Next.js and Typescript, increasing the company SEO by more than 25% as compared to React Framework that had been used earlier.
- Successfully led a team of developers to research and implement a cost-effective alternative solution for integrating 3rd Party SMS and Payment APIs, resulting in a 30% cost savings for the company.
- Worked with other team members to solve bugs in production increasing API up time by more than 40 %

**Software Engineer**                                    **January 2021 - December 2021**

Picia InfoSolutions Limited

- Implemented comprehensive ERP system with key pillars: Accounts Management, HR, Stocks, Procurement, Workshop, Project, Finance, Purchasing, and Reports & Analytics Management. Resulted in 25% faster processing and 30% higher productivity.
- The ERP system was highly impactful, resulting in its successful adoption by over 10 clients at an enterprise level, leading to significant improvements in their operational efficiency, productivity, and cost savings.
- Introduced API-based database access, resulting in 50% faster response times, improved system stability, and increased scalability, unlike earlier when the company used stored procedures and views to serve and access data from database.
- Helped improve security of legacy code the company was using, to reduce attacks like SQL Injection by more 45%.
- Spearheaded the implementation of Agile methodology in the development process, resulting in a 30% reduction in project completion time and increased client satisfaction.

**Software Engineer & Research Intern**                  **January 2019 - December 2020**

Data science and Artificial Intelligence (DSAIL)

- Contributed to designing and developing Cafrilearn, a low-cost digital learning device, expanding access to educational materials for over 5,000 children in remote areas.
- Built 5 IoT devices that boosted data accuracy by 30%, reduced data collection time by 40%, and saved up to $200 in cost.
- Enhanced Machine Learning methods to achieve 20% better accuracy for image classification and 15% faster data analysis processing.

## CONTACT

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## SKILLS

Front end:
- React (Advanced)
- Next.js + Typescript (Experienced)
- Bootstrapping technologies

Backend:
- .NET Core & Entity Framework
- Azure & Digital Ocean
- SQL & NoSQL
- Microservices
- Graph Data and Rest API
- Web scraping & 3rd Party APIs
- System design
- GIT & Docker

Tools:
- C# & Python
- Visual Studio & Visual Studio Code
- SQL Server Management Studio

## EDUCATION

Dedan Kimathi University
BSc. Electrical & Electronic
Nyeri, Kenya — May 2021

Awards: Hackathon Winner, Babypal

## OTHER

- NVidia Deep Learning Instructor | Dec 2021 – Dec 2022
- Microsoft Imagine Cup Champion, EMEA Regional, Cafrilearn
- Microsoft Learn Student Ambassador, Beta Milestone
- Tech Lead – Microsoft Tech Community, Dedan Kimathi