

JUMA SAMSON

Software Engineer | Full-Stack Developer | Cloud & Cybersecurity Enthusiast

Nairobi, Kenya +254791430850 samson2020odhiambo@gmail.com
linkedin.com/in/juma-samson-b972a0230

EDUCATION

Bachelor of Science in Applied Computer Science

Aug 2020 – Apr 2024

Chuka University, Kenya

GPA: 3.44/4.0

Relevant Coursework: Software Engineering, Design & Analysis of Algorithms, NLP, Big Data Analytics, Object-Oriented Programming, Data Mining, Cybersecurity

TECHNICAL SKILLS

- **Languages:** Python, Java, JavaScript/TypeScript, C/C++, C#, PHP, Swift, Kotlin, Go, Ruby
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, IAM, RDS), Azure, Docker, Kubernetes, Jenkins, Git/GitHub
- **Databases:** MySQL, PostgreSQL, MongoDB, SQL Server, Oracle
- **Frameworks/Libraries:** React.js, Angular, Node.js, Express, .NET Core, Laravel, Spring Boot
- **Tools:** Jira, Bitbucket, Splunk, Postman, Maven, Gradle, Xcode

PROFESSIONAL EXPERIENCE

Software Developer (Capstone Project) – Sasakazi Kenya, Remote Sep 2023 – Present

- Built full-stack Project Management App on Microsoft Azure using .NET Core, React.js & SQL Server
- Implemented secure RESTful APIs with Keycloak OAuth2 and achieved 40% faster release cycles via CI/CD
- Optimized database performance resulting in 25% cost reduction

Software Engineer Intern – Eldohub, Boulder, CO, USA

May 2023 – Aug 2023

- Modernized legacy UI to React-Select v5, implemented Jest/Cypress testing (70% coverage)
- Built Jenkins CI/CD pipelines and Docker environments → reduced deployment time by 30%
- Won 1st place at Hackathon 2023 with secure Micro-Frontend module using OpenAI APIs

Software Engineering Analyst – CYWOTEK Technology Solutions May 2021 – Jul 2022

- Managed 28 mission-critical applications with 98% uptime SLA
- Automated ETL processes with Informatica PowerCenter → reduced processing time by 80%
- Enhanced network performance by 25% using raw socket programming

Software Engineering Intern – Wasominet Technology Solutions

Dec 2020 – May 2021

- Optimized business apps using Django/Rails → 40% faster processing and 25% fewer errors

SELECTED PROJECTS

Sasakazi – Health Community Platform

sasakazi.com

- Full-stack web app with machine learning, NLP & forums serving 3,500+ users
- Achieved 35% increase in engagement and 25% symptom reduction using Django, PHP, Flask & PostgreSQL

URP Trend Analysis Platform

- Music analytics app using Spotify Web API, MongoDB & Docker → 85 req/ms throughput

Quora Question Pair Similarity

- NLP project with TensorFlow, PyTorch & BERT → 15% accuracy improvement

CERTIFICATIONS

- AWS Cloud Practitioner – 2023
- Microsoft Azure Fundamentals (AZ-900) – 2023
- CompTIA Security+ – In Progress (Expected Dec 2025)