

JUMA SAMSON

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

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EDUCATION

Bachelor of Science in Applied Computer Science Chuka University, Kenya	Aug 2020 – Apr 2024
	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	<i>sasakazi.com</i>
• 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)