Silvia Njeri

Full Stack Software Engineer | AWS Certified Developer | MERN Stack Specialist

Innovative and results-driven Software Engineer with hands-on experience in full-stack development, cloud infrastructure, and scalable system design. Combines formal education in Software Engineering with industry-recognized AWS and MERN Stack certifications. Proven ability to lead development cycles, integrate complex systems, and deliver impactful digital solutions. Passionate about leveraging cloud technologies, DevOps practices, and modern frameworks to solve real-world problems.

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EDUCATION & CERTIFICATIONS

AWS re/Start Graduate | August 2025

- Cloud Engineering & DevOps specialization wit hands-on labs in 15+ AWS services
- Gain hands-on experience in Various AWS services and Technologies.

MERN Stack Specialization | Power Learn Project Academy

February 2025 – July 2025

- Intensive 16 week program covering Software development Essentials, Web development technologies, Database Essentials{MYSQL}, Python and Specialized in MERN Stack with MongoDB, Express.JS, React, NodeJS
- Built 4 production-ready applications with focus on scalability and performance optimization.

Diploma in Software Engineering | Kiriri Women's University of Science and Technology

September 2024 – December 2025

- Key Modules : Cybersecurity, Networking, Artificial Intelligence, Web Technologies, System Design, Software Development etc.

   ### Additional Certifications:
- Introduction to Linux
- Introduction to Cloud & Emerging Technologies
- Introduction to Kubernetes
- Cybersecurity Awareness

CISCO NETWORK TECHNICAL PATH

TECHNICAL PROJECTS

Digital Shield Pro (Aegis System)

Full-Stack Application

- Engineered a real-time threat monitoring platform with automated vulnerability scanning and incident reporting.
- I was able to score 37/50 during the hackathon which the theme was the Gender Based Violence against Women.

Ecotracker | Environmental Analysis Platform

MERN Stack Application

- Built full-stack sustainability tracking application with carbon footprint calculation and reporting features.

Professional Portfolio

MERN stack Application

- Developed responsive portfolio website with dynamic project gallery and log functionality and integrated with a chatbot

TECHNICAL SKILLS

- **Cloud & DevOps** : AWS (EC2, S3, Lamda, RDS, VPC, IAM), Docker, Kubernetes, Linux/Shell Scripting, CI/CD pipelines
- **Frontend Development:** React.JS, JavaScript(ES6+), HTML5, CSS3, Responsive Design, Tailwind CSS, Shadcn UI, Material UI
- **Backend Development**: Node.js, Express.js, Python(Flask), RESTful API Design, Authentication/Authorization
- **Databases:** MongoDB, PostgreSQL(Supa base), MYSQL, DynamoDB, MariaDB, Database Design & Optimization
- **Tools & Methodologies:** Git/GitHub, JIRA, Postman, VS code, Figma, Jupiter Notebook, AWS CLI
- **Emerging Technologie**s : Machine Learn(scikit-learn, Pandas, Cybersecurity Principles, AI concepts.

Soft Skills

- **Problem-Solving**: Exceptional analytical skills with ability to debug complex system issues
- **Adaptability:** Quick learner able to master new technologies and frameworks within tight deadlines
- **Collaboration:** Proven team player with experience in cross-functional agile environments
- **Communication:** Clear technical communicator able to translate complex concepts for diverse audiences.
- **Initiative:** Self-starter who identifies gaps in systems and proactively implements improvements.

Interests

- **Cloud Computing & DevOps**
  Passionate about building scalable cloud-native solutions using AWS and automation tools.
- **Cybersecurity & Ethical Hacking**
  Enthusiastic about protecting systems and learning how to prevent modern-day cyber threats.

- **Open Source Contributions**
  Actively learning to contribute to community projects and collaborate on GitHub.
- **AI & Data Analytics**
  Curious about how machine learning and data visualization can solve real-world problems (e.g., Iris Dataset project).
- **Full-Stack Development**
  Enjoy creating intuitive user experiences and robust backend logic using the MERN

PROFESSIONAL EXPERIENCE

ICT Intern | Huduma Centre GPO | Nairobi Kenya

September 2025 – December 2025

- Provided technical support and troubleshooting for hardware , software and network systems serving 300 daily users.
- Able to assist in ensuring the staffs login into their Citrix and vim ware accounts.
- Able to troubleshoot various Network issues at different counters.

Freelance Web Developer | Naivacom Company | Remote

July 2025 – December 2025

- Delivered responsive web application for clients in e-commerce and service industries.
- Implemented secure payment gateways (PayPal, M-pesa) with 100% transaction tracking.

Referees

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