

Stanley M Ndagi

Full-stack Software Engineer, Technical Writer - Digital Products professional

Leader, Problem solver versed in Agile-Scrum, Docs-as-Code, Version control, and architecture.

Worked across fintech, agriculture, government, fashion, not-for-profit, and education sectors.

Worked remotely within distributed, multidisciplinary, cross-cultural, and multinational teams; delivering value, building team capacity, generating revenue, optimizing processes, and reducing costs.

Independent consultant

2019–Present

In my consultancy practice, I contractually engage with individuals and teams alike; within organisations: from early-stage startups to 40+–year-old institutions.

I contribute in the various **Software Development** life cycle stages and adjacent areas.

I do **Technical Writing** and **Content Strategy + Design & Information Architecture (CSDIA*)**

- **Integrations lead, Content (CSDIA*)** | Namiri Technology Ltd (**DigiTax** app) 2023–present
 - Writing **API docs**, **support docs**, knowledge base. User Experience (UX*) writing.
 - Managing API integration program. B2B, B2C technical support, demos, workshops
- Fractional **Lead Software Engineer, Technical lead** | **TMI** | pro bono 2021–present
- Contractual **Technical Editor, Copywriter** | **CircleCI's authors program** 2020–present
- Fractional **Platform Engineer, UX writer** | KromSystems Ltd (**Tausi** app) 2020, 2023–2024
 - Setup and maintenance of DevOps, Headless CMS*. Technical docs and best practices
- Fractional **Lead Software Engineer** | **Pango Africa Ltd** | pro bono 2022–2023
- Fractional **Software Engineer, Technical lead** | **Musicbuk** (**Musicbuk PWA***) 2020–2022
 - Platform engineering. Leading technical sourcing. Up–levelling new engineering hires.
 - Driving overall technical direction. Providing technical perspective to stakeholders.
- **Technical Writer** | **Paymentology** (External API documentation and Guides) 2021–2023
 - As the first and solo technical writer, I owned the content for its **Developer platform**
- **Software Engineer, DevOps, Scrum lead** | **Judiciary of Kenya** ICT (under **IDLO**) 2020
 - Delivered features for its **E–Filing system**. Influenced adoption of Docker for local development and CI/CD* pipelines for improved developer productivity.
 - Influenced adoption of Agile–Scrum, task tracking, reporting and use of user stories.

Senior Software Engineer | Software Engineer – Andela

2015–2019

An integrated **remote software engineer** integrated within four distributed teams in the United States: Bellwethr, FarmLogs, BrightHive, and Enigma (expounded below)

Product Manager: Built an internal tool for fostering camaraderie among employees.

Technical Team Lead: Led a team in extending an open–source product

- **Platform & Machine Learning Engineer** | **Bellwethr** (Kansas City, Missouri, US) 2019
 - Created ETL* pipelines from SOAP and REST APIs and data dumps through AWS into Bellwethr's data lake. Collaborated on product ML* models.
- **Backend Engineer** | **FarmLogs (now Bushel Farm)** (Ann Arbor, Michigan, US) 2018–2019
 - Built and extended FarmLogs GraphQL API. Built internal ETL tools supporting user management and syncing data from external crop–trading APIs.
 - Decoupled and extended functionality across the API to serve the existing and new products – Future–proofing for separated or extended feature creation.
- **Software Engineer** | **BrightHive** (Greater Chicago Area, Illinois, US) 2016–2017
 - Part of the initial development team. Beyond feature development, I contributed to System Design, tools and platforms selection, and creation of team processes for development, documentation, code review, and performance measurement.
- **Data Engineer** | **Enigma** (New York, US) 2016–2017
 - Wrote ETL* configuration files in a Domain–Specific Language (*based off Python*) specifying the ingestion flow of multi–format customer and open data.

Email: stan@md.engineer

Web profile: md.engineer

GitHub: [NdagiStanley](https://github.com/NdagiStanley)

LinkedIn: [NdagiStanley](https://www.linkedin.com/in/NdagiStanley)

Fluent in English (C2 Proficient) and Swahili

SKILLS + COMPETENCIES

Programming

Python, JavaScript, TypeScript,

HTML, CSS, SQL, Markdown

Frontend: *Vue.js, Nuxt.js, Quasar*

Progressive Web apps (PWA*)

Backend:

APIs: *REST, GraphQL, SOAP;*

DevOps: *Docker, Chef, Kubernetes*

Continuous Integration,

Delivery/ Deployment (CI/CD*):

CircleCI, GitHub actions

Cloud: *GCP, AWS, Firebase,*

Netlify, Vercel, Azure, Heroku

Other competencies

Product/ Program Management

Technical Team Leadership

Content Management Systems

(CMS*), Data engineering –

Entry, Transform, Load (ETL*)

Machine Learning (ML*) and

Artificial Intelligence (AI*)

Open–Source contribution

Projects: *VueDjango; VueDN*

WRITING + COMMUNITY

Author, editor with **CircleCI**

Writer with **DigitalOcean**

Book Reviewer at **Packt**

Tech Events' **speaker, panellist**

Founder & Lead: **TechKln**

EDUCATION + CERTIFICATION

API platform engineering

fundamentals **certification**

Nuxt.js Master **certification**

Google Cloud **certification**

AI* programming **nano degree**

B.Sc. Information Technology

AWARDS + ACHIEVEMENTS

GitHub star, 2022–2023

CircleCI champion, 2023

ADPList top mentor Top 1%

Sept. 2023 and 10% all–time

F8 hackathon finalist, 2019

Andela Employee of the Year, '16