

Ken Ruto

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PROFESSIONAL SUMMARY

Technical product manager with 4+ years building B2B enterprise solutions across Kenya and North America. Proven track record leading cross-functional teams to deliver products with 99% adoption rates, specializing in 0-to-1 development, workflow automation, and data-driven tools that create measurable impact. Passionate about leveraging emerging technologies to enhance well-being and unlock potential across Africa.

EDUCATION

Haverford College

Haverford, PA, USA

Major: Bachelor of Science Computer Science

Scholarship Award: • William P. Jeffcock Scholar • The Bruce D. Gorchow Scholar • Sondra Lee Spar International Scholar

Related Coursework: Algorithms, Data Structures, Machine Learning, Software Engineering, Human-Computer Interaction, Computer Security, Foundations of Psychology.

Honors & Awards: Nominated Member to Sigma Alpha Pi Chapter of the National Society of Leadership and Success Honors Society • Haverford Innovation Fellow 2018 • Center for Peace and Global Citizenship Fellow 2019 • UN Best Innovation Award, 2020 - Global Handwashing Day • Social Shifters 2021 STEM Global Winner • Haverford Innovations Fellow 2022 • Initiative for Longtermism in Africa Research Fellow 2022

EMPLOYMENT HISTORY

Technical & Programme Lead

March 2023 – Present

AccessWASH

Nairobi, Kenya

Led development of AccessWASH® a B2B enterprise digital suite for water operators, combining no-code automation, ML-powered analytics, and stakeholder training to digitalize rural water operations..

- Built automated workflows integrating field data collection, analytics dashboards, and resource allocation systems using low-code platforms and Python automation
- Led agile team of 4 engineers to ship MVP in partnership with IHE Delft Institute for Water Education, managing full product lifecycle from concept to deployment
- Secured and managed a RISE Fund grant to launch an MVP in partnership with IHE Delft Institute for Water Education and Rotary International.
- Developed real-time analytics dashboard aggregating WASH data across counties, using machine learning to predict water demand and optimize resource allocation

Social Innovation Program Consultant

November 2022 – Present

Schoolyard Ventures

Remote; Philadelphia, PA, USA

Schoolyard Ventures provides innovative entrepreneurship education to ambitious high schoolers in Pennsylvania, USA

- Co-designed and facilitated virtual and in-person 12-week social impact project curricula for three 15+ student cohorts every winter and spring terms, achieving 99% completion rates
- Created inclusive learning environments through interactive workshops and peer collaboration sessions, resulting in 90% increase in student engagement and meaningful cross-cultural understanding
- Collaborated with 10+ diverse instructors to deliver a 12-week curriculum of 20 sessions covering ideation, community-centered research, prototyping, and storytelling for social change
- Conducted weekly 1-on-1 mentoring sessions providing personalized feedback and project milestone reviews
- Organized and facilitated final pitch showcase where students presented to industry expert panels, achieving 95% satisfaction rate while building students' confidence and presentation skills

Research Fellow

August 2022 – Jan 2023

ILINAF Foundation

Nairobi, Kenya

The Initiative for Longtermism in Africa provides an outstanding platform for promising Africans to learn and work on research questions around maximizing well-being today, and ensuring that the long-term future for Africa goes well.

- Secured a \$5,000 applied research grant to work full-time on data envelopment approaches to develop cost-effectiveness benchmarks and points of improvement analytics tools targeting state water utilities (WSPs) in Kenya and Sub-Saharan Africa.
- Conducted stakeholder consultations and in-depth onsite field studies analyzing over 100K data points across 45 water utilities
- Developed evidence-based policy recommendations based on data analysis findings facilitating cross utility partnership and coordination
- Analyzed 45 water utility cohort data to forecast water demand in underserved communities and required water resources required to meet demand

Technical Product Manager

Committed Personnel, Inc.

June 2022 – December 2022

Birmingham, AL, USA

CPI offers workforce management solutions and staffing services to leading companies in Southern American states

- Shipped automated onboarding MVP in 4-month sprints, reducing manual processes by 50% through intelligent flows and Python automation
- Built workforce optimization platform using predictive algorithms, improving work-life balance for 1000+ gig workers
- Implemented recruiter and prospective hires feedback and suggestion reporting online system improving onboarding completion rates

Product Manager I

January 2021 – August 2021

- Created performance analytics dashboard tracking sales metrics, achieving 35% improvement in conversion workflow efficiency
- Served on the technical recruiting team, helping interview 50 technical personnel, and processed bug customer support tickets

Flux Water LTD

Software Engineer

Nairobi, Kenya

August 2019 – March 2023

Founded and scaled a B2B SaaS enterprise platform revolutionizing water utility operations across Africa through data analytics and workflow automation.

- Secured \$50,000+ in seed funding through competitive grants, winning the Cisco Global Problem Solver Challenge and Social Shifters competition
- Spearheaded successful market entry by deploying enterprise solutions to 4 major Nairobi utilities, achieving 90% reduction in field operation costs through automated customer and billing data collection
- Built Kenya's largest water utility dataset (30M+ data points), earning UN recognition for public health impact during pandemic
- Scaled engineering team from 1 to 5 members, establishing DevOps practices that supported 10x growth and doubled MRR

SKILLS

Technical Product Management: Product lifecycle, roadmapping, agile/scrum, stakeholder management, go-to-market, user research, A/B testing, API design, AI integration

Engineering & Data: Python, machine learning, SQL, UI/UX, data visualization, mobile development, predictive modeling

Leadership: Experience leading cross-functional teams, 0-to-1 product development, partnerships, grant acquisition, enterprise B2B sales

REFERENCES

Confrey Alianji - Professional Mentor and Community Innovation Collaborator (2022-Present)

Innovations Advisor & Policy – Africa Region, GIZ Kenya

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Ian Ogolla - Former Technical Lead and Project Collaborator at AccessWASH

Software Engineer – Octane

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