

PROFESSIONAL SUMMARY

Data Scientist and Software Engineer with strong experience solving analytical and system-level problems using Python and modern development tools. Comfortable working independently or in cross-functional, fast-paced environments. I am skilled in designing scalable digital solutions, integrating APIs, and communicating complex technical concepts clearly. Passionate about impactful, data-driven innovation.

SKILLS SUMMARY

- Languages: Dart, JavaScript, Python, SQL, Node.js, CSS, HTML
- Frameworks: Scikit-Learn, Pandas, NumPy, Matplotlib, Flutter, Next.js
- Platforms: Firebase, MySQL, Tableau, Power BI, Android Studio, Jupyter Notebook
- Soft Skills: Leadership, Team Collaboration, Technical Mentorship, Agile Methodologies, Problem-Solving, Cross-Functional Communication, Stakeholder Alignment

EDUCATION

Strathmore University

Master of Science in Data Science and Analytics

Nairobi, Kenya

May 2025 - Present

The Co-operative University of Kenya

Bachelor of Science in Computer Science

Nairobi, Kenya

Sep 2019 – May 2023

ALX – Holberton

Software Engineering

Jan 2022 – Feb 2023

WORK EXPERIENCE

Technical Data Fellow | [Dalberg Data Insights](#)

Aug 2025 – Feb 2026

- Engaging in hands-on data science and analytics projects to uncover useful and impactful insights.
- Developing expertise in data collection, data cleaning, visualization and modelling.
- Continuously learning and applying modern data science techniques and best practices while strengthening my skills in mobile and web development.

Software Developer | [Pixsel Africa Limited](#) | [PiXi POS](#)

May 2024 – June 2025

- **Integrated 2 critical SDKs** into a Flutter app, improving functionality and reducing integration time by 17% through optimized workflows
- **Trained 5 team members** on app architecture and best practices, accelerating onboarding and reducing dependency bottlenecks
- Partnered with UX teams to **align data-driven design improvements**, increasing user engagement
- **Developed unit tests** for critical modules, improving the app's reliability by 20%
- Built PiXi POS, a modern Point-of-Sale system handling 5,000+ transactions/month, featuring:
 1. Real-time inventory management (reducing stock discrepancies by 35%).
 2. Payment splitting (supporting cash, card, and mobile money), streamlining checkout by 28%.

Software Developer | [Zingo Kenya](#)

January 2023 – Apr 2024

- **Led a team of 3 developers** to deliver 5+ customer-centric solutions on schedule, improving user retention by 5%.
- Designed and launched **Zingo Kenya** scaling to 50 users with a 4.5 Play Store rating in its first quarter.
- Deployed **AWS & Google Cloud (Firebase, Maps)** infrastructure, cutting costs by 15% while ensuring 99.9% uptime
- Established peer reviews & best practices, reducing bugs by 17% and accelerating onboarding by 22%.
- Mentored junior developers in **scalable coding practices**, boosting team productivity by 7%
- Integrated **M-Pesa & SasaPay APIs**, enabling seamless payment processing (KES 100,000/month) and reporting

Flutter Developer | [Fikisha Mashinani](#)

June 2023 – December 2023

- Built **Fikisha Mashinani** (cross-platform delivery app) & **Fikisha Riders** (rider app) using Flutter, Node.js, and Firebase, serving 100+ users with <5% crash rate.
- Leveraged Firebase + Python back-end functions to handle user analytics and routing algorithms.
- Integrated **M-Pesa** payments, processing KES 50,000/month securely with 98%+ transaction success rate.
- Implemented real-time GPS tracking & rider allocation, reducing delivery times by 15% and improving customer satisfaction.
- Led cross-functional teams (product, UX, QA) deliver 5+ major features on schedule, aligning with business KPIs.

PROJECTS

1. **KNN Model** to Detect Fraud Credit Card Transaction: [KNN Model](#)
2. **Logistic Regression** for customer churn - [Logistic Regression - Customer Churn](#)
3. **Ambulance Ordering App:** [Link to Project](#)
4. **Female Fitness App:** [Link to Project](#)