

DIRK WILLIEMS ARAKA

Actuarial Science | Insurance Technology | Software Engineering

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PROFESSIONAL SUMMARY

Results-driven professional with experience in insurance operations, actuarial modelling, and software engineering. Skilled in building data-driven solutions for the insurance industry, including risk assessment models, automated financial systems, and modern digital platforms. Background at Kenya Orient Insurance with a strong foundation in Actuarial Science.

PROFESSIONAL EXPERIENCE

Kenya Orient Insurance Company

Insurance Operations & Actuarial Support

- Assisted in risk assessment and underwriting analysis for various insurance products
- Contributed to actuarial modelling for premium calculations and loss reserving
- Developed data analysis tools to improve claims processing efficiency
- Collaborated with cross-functional teams on digital transformation initiatives
- Gained hands-on experience in insurance regulatory compliance and reporting

EDUCATION

Actuarial Science

Strong foundation in probability, statistics, financial mathematics, and risk modelling for insurance and financial applications.

TECHNICAL SKILLS

Programming: Next.js, TypeScript, Python, React, JavaScript

Actuarial: Risk Modelling, Premium Calculation, Loss Reserving, Statistical Analysis

Data & Analytics: Data Visualization, Financial Modelling, Business Intelligence

Insurance: Underwriting, Claims Analysis, Regulatory Compliance, Product Development

Tools: Git, GitHub, Tailwind CSS, Node.js, PostgreSQL

KEY PROJECTS

Insurance Risk Analytics Dashboard

Built a comprehensive dashboard for visualizing insurance risk metrics and KPIs.

Actuarial Automation System

Developed automated workflows for actuarial calculations and reporting.

Portfolio Website

Engineered a modern portfolio using Next.js, TypeScript, and Tailwind CSS.