PATRICK MOEHRKE

Technical Consultant | Cloud Practitioner

- @ parickmoehrke46@gmail.com
- Somerset West, Western Cape, ZA
- in patrick-m-0509ab3
- patrickm663
- patrickmoehrke.com

SKILLS

Tech Stack

Python R Julia SQL

Lua D Bash JavaScript

Git Docker Linux PTEX

GitHub Actions EC2 S3

Lambda | Terraform

Techniques

Containerisation

Serverless Computing

Solution Architecture

Technical Documentation

Explainable ML | MLOps

Professional Skills

Technical Writing | Mentoring

Stakeholder Engagement

Innovative Cri

Critical Thinking

Collaboration

AWARDS & CERTIFICATIONS

AWS Certified Cloud Practitioner | 2023

Technical Member of ASSA | 2022

Golden Key International Honours Society | 2019

REFERENCES

Available upon request.

PROFILE

I am an aspiring DevOps engineer with demonstrated experience in XXX. I am a self-started who values open source and continuous learning, with my current focus being cloud native techniques.

EXPERIENCE

Actuarial Consultant | Actuartech

July 2020 - Present

As part of a team of 6, I develop solutions and training material to help clients address their business needs that draws on DevOps tooling, machine learning, and the cloud. Using different programming languages and environments, I:

- Developed, architected, and deployed a serverless data management and dashboarding solution on AWS to report financial results aligned with a new international reporting standard (IFRS 17) at a reduced cost vs off-the-shelf solutions.
- Identified and documented risks present in the current architecture of a multinational reinsurer's actuarial & financial reporting solution, and proposed a future implementation state to stakeholders.
- Developed, tested, and documented a financial reporting solution for a South African life insurer to ensure compliance with a new international reporting standard (IFRS 17).
- Architected, tested, and developed low-cost, full-stack serverless web app to confernence attendees over 3 days, which had over 3 000 API calls with zero failures.
- Conducted annual mortality experience reports in Python for a South African life insurer using statistical and probabilistic modelling techniques to validate current assumptions and advise on anticipated mortality experience for the company.

Academic Tutor | Stellenbosch University

a January 2020 - July 2020

I served as an academic tutor for Actuarial Science 112 (financial mathematics). This included mentoring, explaining complex topics, and reviewing assignments.

EDUCATION

BCom Honours Actuarial Science | Stellenbosch University

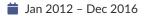
i Jan 2020 - Dec 2020

Completed coursework and a research project ('Evaluating the use of genetics to calculate risk premiums with applications to Huntington's Disease'). Core competencies included risk management, financial engineering, and statistical programming.

BCom Actuarial Science | Stellenbosch University

i Jan 2017 - Dec 2019

Holistic student with demonstrated academic performance and involvement in campus societies. Subject areas included actuarial science, statistics, computer science, mathematics, and economics.



IEB matric certificate with an A average. Awarded top achiever in 3 subjects.

PROJECTS

Project 1 | 🕠 | 🏶

- Mm YYYY Mm YYYY
- Item 1
- Item 2

Project 2 | 😽 | 🏶

- Mm YYYY Mm YYYY
- Item 1
- Item 2