

Thabo Mphuthi

Versatile Solutions Architect and consultant with strong technical acumen, strategic business perspective & a passion for AI. Experienced in helping global clients deliver innovative digital & AI solutions with hands-on involvement throughout the solution lifecycle from ideation to scaling. Avid hacker who stays current with tech trends by learning through building & using prototypes as a means of knowledge sharing with teams and clients.



London, United Kingdom



thabo.me

WORK EXPERIENCE

Software Engineering Director (Solution Architect) McKinsey & Company

2020 - Present

London, UK

Achievements/Tasks

- Enabled 10+ global clients to discover and develop new generative AI use cases, by supporting them through various stages of the solution development lifecycle
- Enabled McKinsey consultants to reduce research time from hours to minutes through leading the development of Lilli - McKinsey's internal knowledge-based generative AI assistant serving over 20K users

Engineering Lead McKinsey & Company

2018 - 2020

Berlin, Germany

Achievements/Tasks

- Enabled one of the first open-banking use-cases for a European bank, through leading the development of a bank account aggregator app from concept to release

Head of Technology (Interim CTO) Generation.org

2017 - 2018

Mexico City, Mexico

Achievements/Tasks

- Enabled the 4x expansion of the Generation's operations over a single year by leading the development of a digital platform and engineering team to support the scale effort

Snr. Software Engineer McKinsey & Company

2016 - 2017

Johannesburg, South Africa

Achievements/Tasks

- Increased the conversion rates of an insurance client by over 10% through leading the development of an AI-based lead generation mobile app

Software Engineering Lecturer University of Johannesburg

2014 - 2016

Johannesburg, South Africa

Achievements/Tasks

- Modernised the academic curriculum by introducing modern AI topics and technologies to the software engineering programme, better preparing students for professional life

Resident Startup Advisor JoziHub

2014 - 2016

Johannesburg, South Africa

Achievements/Tasks

- Accelerated the development of 10+ early stage startups by supporting them through the development of their PoCs and technology architectures

Systems Analyst Accenture

2013 - 2014

Johannesburg, South Africa

Achievements/Tasks

- Optimised the operations of a leading global mining organisation through the development of AI-based predictive maintenance solutions

SKILLS

Solution Architecture

Software Engineering

DevOps Engineering

Cloud Architecture

Data Engineering

ML Engineering

Product Management

Agile Delivery

UI/UX Design

Project Management

Gender-sensitive coaching

Communication

Team Leadership

Business Development

RESEARCH PUBLICATIONS

BOLEPI: A machine learning framework for forecasting project outcomes (2018)

- Peer reviewed paper for International Symposium on Tools and methods of competitive engineering

PASSION PROJECTS

Moonshot - GenAI Pitch decks builder

<https://www.moonshot.page/> ↗

My Ideas - iOS App for idea tracking

<https://tinyurl.com/my-ideas-app> ↗

EDUCATION

MSc. Computer Science

University of Johannesburg

Courses

- Biologically inspired Computing - Neural Networks, Genetic Algorithms & Gene Expression Programming

PROGRAMMING LANGUAGES

JavaScript (Next JS, React JS, Node JS)

Python (FastAPI, Flask)

Java (Spring)

Flutter

Go

C#

R