

# DATA ENGINEER

## David Parker

**Email:** [davidscareers@gmail.com](mailto:davidscareers@gmail.com)  
**Phone:** +27634851743  
**LinkedIn:** [linkedin.com/in/david-theo-parker](https://www.linkedin.com/in/david-theo-parker)  
**GitHub:** [github.com/TheDarkFlame](https://github.com/TheDarkFlame)

## INTRODUCTION

- 2.5 years of experience in design and construction of data pipelines in enterprise environments
- Proven ability to leverage full-stack knowledge and experience to build robust and generic systems
- Extensive expertise in data science and machine learning related applications, from both an engineering and science perspective
- Highly effective at acquisition and sharing of skills

## SKILLS

SQL SageMaker Spark Agile Methods Bash / Shell Java, Scala, Python, C, C++  
Linux Docker AI/ML AWS System Design Troubleshooting Enterprise Frameworks

## EXPERIENCE

### Cloud Support Engineer II

*Amazon Web Services (AWS) / Cape Town, South Africa / October 2021 - Present*

- Amazon SageMaker speciality.
- Reproduced and solve issue using analytical approach.
- Presented solutions in clear, concise, and easy-to-follow ways.
- Interfaced with a variety of customers, each with unique environments and work cultures
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### DATA ENGINEER

*First National Bank / Johannesburg, South Africa / January 2019 - September 2021*

- Designed and implemented REST API integrations.
- Researched and created git workflow standards to improve robustness and productivity.
- Integrated into real-time, scalable, streaming pipelines using Openshift, Spark Streaming, Hadoop, and Microsoft Power Bi.
- Designed and implemented batch loader systems across multiple environments using enterprise tools such as Spring and Camel.
- Trained and mentored junior developers in Apache Spark and command-line environments.

## EDUCATION

### B.Sc. Engineering (Computer)

University of Kwazulu  
Natal, South Africa,  
2013 - 2016

### Short Course: Optimisation

Stellenbosch University  
Online,  
2020

## NOTABLE ACTIVITIES

### CHPC Student Cluster Competition 2015

- Designed high a low budget high performance computing cluster for optimal performance under a set budget
- First round winner
- Experience establishing a working Linux(CentOS) cluster

### Standard Bank IT Challenge 2015

- Competition programming
- Won local competition and represented my university (UKZN) nationally
- Focus on analyzing problems, framing them as something simpler, and designing a computationally efficient solution

### #CoCreateMyCity 2017

- Business innovation project to find sustainable business solutions to solve local issues
- Multinational collaboration (teams of 4 Dutch and 4 South African)
- Selected based on merit to participate in phase 2
- Experience in innovating products from a business perspective

## ACCOLADES

- Class Representative for Computer Engineering 2015 & 2016
- Treasurer for IEEE-HKN Eta Mu Chapter (honors society) 2018

David Parker is a valuable asset to any team that aims high quality best practice workmanship. He works hard to be a catalyst that brings out the best in his team.

When tasked with a new problem, David breaks the system into simple to solve chunks, solving each smaller problem in a way that is modular, simple and uses the correct tool/system for the job. During design, he carefully analyses every part, collaborating with domain experts where necessary. His designs are carefully planned to avoid possible issues that may occur during implementation of individual parts or during system integration.

He is a goal driven individual, and performs extremely well when he has a clear picture of what a task is and when it needs to be achieved by. He has a can-do attitude, nothing is impossible, some things are just simpler to do than others.

David Parker is always on the look-out for new challenges to expand his horizons. He is a trustworthy individual, having a had role as treasurer and subsequently through embracing confidentiality protocols of multiple organizations, each with their own sets of private customer data.