DATA ENGINEER
David Parker

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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 skill acquisition and translation of those skills to others

SKILLS

SQL (various) | Spark | Agile Methods | Bash / Shell | Java, Scala, Python, C, C++

Linux | Docker/Openshift | Power Bi | System Design | AI experience | Enterprise Frameworks

EXPERIENCE

DATA ENGINEER
First National Bank / Johannesburg, South Africa / January 2019 - Present

- Designed and implemented components to integrate generically with external REST APIs.
- Researched and created git workflow standards for my team to improve robustness and productivity of code.
- Successfully 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)	**Short Course: Optimisation**	**M.Eng: Computer (incomplete)**
University of Kwazulu Natal, South Africa,	Stellenbosch University Online,	University of Kwazulu Natal, South Africa,
2013 - 2016	2020	2017-2018

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

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

ACCOLADES

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, often 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 working in an organization requiring vetting for every day work involving sensitive customer information.