Pierre Marais

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LINKS

SKILLS

PROGRAMMING LANGUAGES
- Kotlin
- Typescript
- Scala

FRAMEWORKS & TECH
- React
- Remix
- Ktor
- Kafka
- NextJS
- Akka

PERSISTENCE
- PostgreSQL
- Redis
- MongoDB

DEVOPS & BUILD TOOLS
- Kubernetes
- Docker
- Terraform
- Github Actions
- Gradle
- npm
- sbt

LANGUAGES
- English (Native)
- German (Fluent - C1)

EDUCATION

NORTH-WEST UNIVERSITY
B.Hons Computer Science
2014 | South Africa
Grade: Cum Laude

NORTH-WEST UNIVERSITY
B.Sc Information Technology
2011 - 2013 | South Africa
Grade: Cum Laude
Achieved the highest cumulative academic score over the three-year B.Sc. program, graduating top of the class

EXPERIENCE

DIGITALSERVICE | Senior Software Engineer
Dec 2024 - Present | Berlin, Germany

- Building a communication platform for the Federal Ministry of Justice that allows for civil law cases to be submitted online, enabling fully online civil court proceedings in Germany. This platform streamlines case management and improves access to justice through digitalization.

Tech stack: Typescript, React, Remix, Docker, Kubernetes, Terraform

TRESOR AI | Co-founder
Jun 2023 - May 2024 | Berlin, Germany

- Tresor AI provided companies with GDPR-compliant chatbots powered by open-source LLM models combined with Retrieval Augmented Generation (RAG), enabling them to deploy intelligent agents that execute tasks based on internal documentation.

Tech stack: Typescript, Python, Llama-Index, NextJS, Qdrant, FastAPI, Docker

ZALANDO | Senior Software Engineer
Jun 2018 - Feb 2023 | Berlin, Germany

- Enabled warehouses to process several million items every day by developing an in-house Warehouse Management System for key processes such as tour processing, pitch management, receiving, sorting, stowing, outbound handling, returns, and refurbishment.
- Enabled scaling from 8 warehouses to 30+ within a couple of years by implementing the strangler pattern to migrate the existing Warehouse Management System from a monolith hosted on-premises to an event-driven microservice architecture.
- Led numerous technical process improvement projects resulting in millions of euros in annual savings.
- Provided mentorship to several engineers to support their professional development.
- Supported in the hiring process by conducting technical and coding interviews.

Tech stack: Kotlin, Ktor, Kafka, Typescript, Scala, React, PostgreSQL, Kubernetes

INVESCO | Software Engineer
Jun 2016 - May 2018 | Johannesburg, South Africa

- Developed Robo-advisor solutions to registered investment advisors and broker-dealers.

Tech stack: Scala, Akka, MongoDB, Docker

K2 | Software Engineer
Jan 2015 - May 2016 | Johannesburg, South Africa

GAMINGVPN | Founder
Feb 2013 - Jul 2015 | Potchefstroom, South Africa