

PAUL-DANIËL PRETORIUS

SOFTWARE DEVELOPER

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W <https://portfolio-xi-sand-68.vercel.app/>

OBJECTIVE

Dynamic software developer with a passion for designing technologies that offer accurate solutions. A dedication to professionalism and writing high-quality code to maximise productivity in business setting in our world today.

TECH STACK

- HTML
- CSS
- JavaScript
- React
- Node
- TanStack
- Express
- PostgreSQL
- Stripe
- MongoDB
- Tailwind CSS
- MSSQL
- C#
- ASP.NET
- Proven experience with the creation and maintenance of RESTful APIs
- Proven comprehension of Model-View-Controller architectures
- MySQL
- Database Architecture
- 3rd Party Integrations
- SCSS

EDUCATION

NATIONAL SENIOR

CERTIFICATE • Bellville High School

Completed: 2017

COMPTIA FUNDAMENTALS •

Boston City Campus

Completed: 2016

HIGHER CERTIFICATE IN INFORMATION SYSTEMS •

Eduvos College

Completed: 2024

LANGUAGES

- Highly proficient in both Afrikaans and English.

PROFILE

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EXPERIENCE

December 2018 – June 2019

Generalist • **Intermediate** • Ster Kinekor

July 2024 – March 2025

Software Developer • **Junior** • Meshed Group

April 2025 – October 2025

Software Developer • **Intermediate** • Capital Land

CapTrac is a full-stack, enterprise-grade property and financial management application created with a React (Vite) frontend and a .NET 9 (C# 13) backend, I built. The platform is designed for the management of multiple retail real estate operations, and providing advanced dashboards with accurate data for arrears, leasing, legal, and executive reporting of respective properties.

Key features and contributions include:

- The development of backend APIs: The planning and implementation of RESTful APIs
- Building endpoints for simultaneous and historical financial statements for markers such as; trial balances, arrears tracking, lease commission projections, and occupancy/vacancy analytics.
- Systematic incorporation of caching strategies for queries that are very large to ensure an optimised performance and reduction of data loads.
- The execution of JWT authentication, with environment-based configuration and Sentry-based error monitoring for production accuracy.
- The maintenance of automated CI/CD pipelines with GitHub Actions, and environment-aware deployments.
- Built on a React based dashboard UI along with several 3rd party libraries used for reporting functionality, ensuring seamless data flow and user experience for executive and operational users.

October 2025 – Current

Software Developer • **Intermediate** • BlackBee Software

Currently I am working on a number of SaaS microservices that all fall under the W8 cluster, as part of a 5-member team responsible for the development and subsequent maintenance of the following products.

W8Suite (W8Suite Weighbridge software & W8Suite Reporting software) - Working with the API and the Portal to coordinate; purchase/sales orders, transporters, weigh transactions whether manned or unmanned with external integrations with the relevant Xero API and Accumatica. One of my responsibilities included generating unique reports per client.

W8Auth (W8Auth Security and Authentication) - Backend with the Apis for JWT role-based access control and the authentication challenges between the different microservices. Frontend with the UI/UX enhancements.

W8Fuel & W8Sense - Maintaining and developing a dashboard for IoT monitoring solutions. Implemented logic to retrieve, process and display per sensor information for industrial assets like bins and silos,

W8Backup & W8File - A Windows service that was used to configure and schedule automatic local database backups. This was used in conjunction to W8File in that this local backup could be automatically uploaded to W8File. W8File is an Azure Storage-based system to handle secure uploads of files per client.

Research Software Development - I was responsible for the complete end to end development of a software application that will be used in the 2026 Italy Winter Paralympic Games by doctors to fill in surveys on illnesses and injuries of the athletes. These surveys will then be used by the University of Stellenbosch for research.

General

Managed the end-to-end deployment pipeline for the microservice cluster, using a high-availability dual-server IIS cluster setup to execute live updates and guarantee continuous operation for both core and unique tenant applications.

SKILLS

- Demonstrates a comprehensive understanding of object-oriented program design principles, contributing to effective software development practices.
- Possesses a strong foundation in data structures, laying a solid groundwork for effective problem-solving and optimal software development contributions.
- Proficient in deciphering and interpreting algorithms with a keen aptitude for algorithmic understanding.
- Proficient in resolving challenges associated with optimizing time complexity, demonstrating a commitment to efficient algorithmic solutions.
- Proficient use of Microsoft Office productivity tools.
- Displays adeptness in traversing the System Development Life Cycle (SDLC) with a dedicated emphasis on yielding substantial and meaningful outcomes.
- Proficient in understanding property related financial data,
- Skilled in organisation of project plans and subsequent implementation.

REFERENCES

- Taylor Van Der Westhuizen • Senior Developer/Supervisor • Monkey & River • +27 72 923 7183.
- Coenraad Jonker • Senior Developer/Supervisor • Meshed Group • +27 82 5743769.
- Rynhardt Cloete • Team Lead • Monkey & River • +27 71 671 0583.
- Riaan De Vries • IT Manager • Capital Land • +27 71 684 5449.

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