

# Jean-Pierre Retief

Krugersdorp 1718

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LinkedIn profile

Website portfolio

### Skills

- Object-Oriented Programming
- Backend Development
- ASP.NET
- Git
- React
- Angular
- Java
- C++
- C#
- Python
- Smalltalk
- Pharo IDE
- SQL
- HTML
- CSS

I am currently a 3rd year student at NWU. I am passionate about building software systems. I also enjoy philosophy, music and video editing and hope to combine these fields one day.

I have learned much about OOP design and the system development life cycle from experience and my studies. I have worked in a team before and hope to learn more about web development and other exciting software technologies.

## Experience

#### Junior Software Developer

FINWorks (Pty) Ltd, Pretoria, South Africa (Remote) November 2021 - November 2022

- Object-oriented design, web styling, Git (Scrum)
- Linux-based dev environment
- Full SDLC involvement: from requirements to release
- Debugging, performance tuning
- Documentation for IT staff & future projects

#### Web Development Internship

Matogen, Potchefstroom, South Africa (Remote)

November 2024 - Feb 2025

Internship with two full-stack dev projects:

#### Project 1 – Full-Stack Intro:

- OOP, data structures, JSON
- SPA principles, REST APIs
- Front-end: Angular | Back-end: Python
- DBs: PostgreSQL, MSSQL
- Token security basics, Git version control

#### Project 2 – WhatsApp Vehicle Tracker Bot:

- Week 1: Setup env, WhatsApp API, basic messaging
- Week 2: Vehicle listing, location requirements, errors
- Week 3: Status updates, user management, advanced errors
- Week 4: Testing, documentation, deployment preparation

### Education

**Bachelor of Science in Information Technology** 

# Languages

- Afrikaans
- English
- German

Expected in March 2026 at

Potchefstroom NWU, South Africa

### **High School Diploma**

December 2020 at

Hoërskool Noordheuwel Krugersdorp, South Africa

• 87.25 Average (10 subjects and 9 distinctions)

# **Projects**

CRUD asset management system for arbitrary security company ( $2^{nd}$  at NWU)

### Certifications

Introduction to Cyber Security Unity Essentials Pathway

# Strengths/Weaknesses

- + Attention to detail
- + Organized
- Can get carried away focusing on detail before implementing overarching structure for projects

### Other Interests

- Playing piano
- Composing music
- Writing poetry, stories
- Philosophy, Apologetics
- Video editing
- Squash
- Gym