



Jean-Pierre Retief

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[LinkedIn](#)

[Website CV Portfolio](#)

[GitHub](#)

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 (2nd 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