

Tian Vortsman

Full-stack developer · Co-founder, Pulsar

tianryno01@gmail.com
Gauteng, South Africa
GitHub · LinkedIn

SUMMARY

Full-stack developer and co-founder of Pulsar. I design, build and host SaaS platforms, mobile apps and e-commerce systems.

EXPERIENCE

Pulsar

2026 – Present

Co-founder & Full-stack Developer

- Co-own Pulsar with my wife, Maryna. I lead product development and host all company products myself. Building software for Pulsar since early 2024.
- Built **Unison**, a multi-tenant SaaS platform with 14 modules: Time & Attendance, Payroll, HR, Invoicing, Accounting, POS, Inventory, Asset Management, Fleet Management, CRM, Project Management, Property Management, Support and Access Control. Unison began as modular software covering T&A, HR and Invoicing and grew to the full 14-module platform.
- Built the Unison e-commerce API, which runs client websites in production (Deloni) and is being integrated for Monchari.
- Developed **Unison Mobile** (iOS): mobile clocking, barcode scanning, expense scanning, stocktake and employee self-service.
- Developed **TheKitchen Mafia**, an online ordering platform with Android and iOS apps, Yoco payments, Xero accounting integration and subsidy handling.

Uniclox Pty Ltd

2023 – 2024

Installations Consultant & Software Integrations

- Installed and trained clients on Uniclox time and attendance systems, onsite and remote as needed.
- Supported clients through onboarding, then handed them over to the support team once fully onboarded.
- Integrated each client's payroll system.
- Installed clock-machine hardware.
- Tested software and produced reports for the development team.

Sentri Systems, Randburg

Jun 2021 – Sep 2023

IT Support Technician

- Supported, troubleshoot, tested and maintained time and attendance systems; trained users and reported on system performance.
- Designed and built portable facial recognition devices.
- Configured and installed breathalyzers integrated with turnstiles for access control.

SKILLS

Development

Full-stack web development, multi-tenant SaaS, API development, iOS and Android app delivery (TestFlight, App Store)

E-commerce & integrations

E-commerce APIs, Xero, Yoco, PayFast, payroll systems

Databases

Microsoft SQL Server (instances, attaching databases, backup and restore, multi-client connections), T-SQL (DDL, DML)

Infrastructure

Self-hosting, cloud server setup, networking, firewall and port configuration, Microsoft 365, Windows administration

T&A and access control

Time and attendance systems, facial recognition hardware, breathalyzer and turnstile integration

Professional

Team leadership, client training, technical support, operations management

LANGUAGES

English	Fluent
Afrikaans	Fluent

SELECTED PROJECTS

Unison Software

Live

Pulsar · Multi-tenant SaaS platform

Workforce and business management platform with 14 modules: Time & Attendance, Payroll, HR, Invoicing, Accounting, POS, Inventory, Asset Management, Fleet Management, CRM, Project Management, Property Management, Support and Access Control. Includes an e-commerce API used by client websites.

Unison Mobile

App Store release pending

Pulsar · iOS

iOS add-on to Unison: mobile clocking, barcode scanning, expense scanning, stocktake and employee self-service.

TheKitchen Mafia

Mobile release pending

Web · Android · iOS

Online ordering platform. Mobile app with Yoco payments, Xero accounting integration and subsidy handling.

Deloni

Live

E-commerce website

Built on the Unison e-commerce API, with PayFast payments.

Orania365

Live

Web app · Orania, Northern Cape

Business directory, news and marketplace for the town of Orania.

Orania Sakekamer

Live

Website with auction section

Business chamber website. The auction section was used for a time-limited gold and silver coin auction.

Hairstelle

Live

E-commerce website · Newcastle

Online store for Hairstelle.

Monchari

In progress

E-commerce website

Online store for a jeweler, integrating with the Unison e-commerce API.

All projects are self-hosted.

OTHER EXPERIENCE

Metalyx

Sep 2023 – Present

Self-employed, Fabrication & Maintenance

- Metal fabrication, roofing, tiling, drywalling, ceilings, painting and custom designs.

Easy Wash Carwash, Randburg: Manager. Ran operations, staff, salaries, stock and equipment maintenance.

Feb 2020 – May 2021

BVH (Brits Huide en Velle): Acting Supervisor. Handled stock control, supervised staff and held a forklift licence.

2019 – 2020

Byneslaagte, Strandfontein: Subcontractor, building & maintenance

2015 – 2019

GSL, Christiana: Volunteer, community housing project

Apr – Jun 2019

ADDITIONAL CAPABILITIES

These are practical skills I use outside software work.

Hardware & electronics

PC and device assembly, electronics, networking hardware

Building & construction

Brickwork and wood-framed building, concrete, roofing, ceilings, drywalling, tiling, painting

Energy & water

Solar installation (panels and batteries), dams and water pipelines

3D design

Fusion 360, SketchUp, Blender

Electrical & plumbing

Electrical installation, plumbing

Fabrication

Metal fabrication and welding, fencing. Forklift licence.