

# Jeremia Fourie

Junior Software Developer

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## SUMMARY

Final-year Bachelor of Computing (NQF 8) student (75.3% average, 28 distinctions) who builds across the stack: cloud services, computer-vision systems on embedded hardware, and business SaaS with a companion mobile app, while leading the product team at Exequatech, a software venture he co-founded. Led digital-transformation initiatives that enhanced security and operational efficiency.

## SKILLS

**Languages:** Java, JavaScript, Kotlin

**Development:** Web Development, Mobile (Android Studio), Database Design, Software Architecture, UI & UX Design

**Systems & Hardware:** Linux, IoT, Raspberry Pi, Computer Vision, Robotics

**Practices:** Project Management, Team Leadership

## PROJECTS

### CogniFlight-Edge

Python · IoT

Real-time pilot-fatigue detection system using computer vision and biometrics on a Raspberry Pi, built for aviation safety.

### CogniFlight-Cloud

Go · JavaScript

Cloud infrastructure for telemetry ingestion, fatigue-analytics storage, and secure visualization endpoints.

### Exequatech OS

SaaS · Accounting

All-in-one platform for business operations and service management.

### Exequ-Jobs

Mobile

Companion mobile app for Exequatech OS, dedicated to field work.

## EXPERIENCE

### Access Controller & Software Developer

2023 – 2026

Die Bosveld, Doornpoort

- Rewrote the venue's entire ticketing system, introducing NFC and QR-code check-in.
- Spearheaded a complete digital transformation that improved the visitor experience and operational efficiency.
- Provided front-line customer support alongside development work.

### Co-Founder & Lead Developer

2021 – Present

Exequatech, Pretoria

- Develop and maintain Exequatech OS, the venture's core business-operations product, and its Exequ-Jobs mobile extension.
- Manage the product's hosting and deployment infrastructure end to end.
- Lead a small development team alongside full-time studies; the venture began in custom consulting before focusing on a single product.

## EDUCATION

### Bachelor of Computing (NQF 8)

Belgium Campus ITVersity

Current average 75.3% with 28 distinctions.

### National Senior Certificate

2018 – 2022

HTS Pretoria Tuine

## ADDITIONAL EXPERIENCE

**Temporary Car Wash Manager** · Terugploeg Car Wash, Hazelwood

2023

**High-School Tutor** · Mathematics, Technology & EGD

2020 – 2024

**Theatre Usher** · Fairtree Atterbury Theatre, Lynwood

2023 – 2024

**Community Volunteer** · Terugploeg, Cullinan

2023 – 2024

## REFERENCES

Available on request.