

Theodore Nelson

Spring Boot | REST APIs | SQL | Business application development

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PROFILE

Junior Java developer and NQF 6 Systems Development graduate building practical Spring Boot, SQL, web, Android, and desktop applications. Portfolio includes deployed business systems with authentication, role-based access, CRUD workflows, reporting, CSV import, and relational persistence. Combines hands-on development with 10 years of IT support experience in troubleshooting, user communication, and production-minded problem solving.

CORE STACK

Backend: Java, Spring Boot, Spring, JPA, JDBC, REST APIs, OOP, MVC
Data: PostgreSQL, MySQL, Supabase, SQL modelling, persistence
Apps: JavaScript, HTML5, CSS3, React, Next.js, Android SDK, Swing
Tools: Git, GitHub, Render, Vercel, debugging, documentation

SELECTED SOFTWARE PROJECTS

Business Operations Hub

Java, Spring Boot, PostgreSQL, Render

- Designed and deployed an operations platform for lead capture, CSV imports, invoice tracking, reporting, user administration, and account-security workflows.
- Implemented role-aware business flows and SQL-backed state using a controller, service, and data-layer structure suited to maintainable backend work.
- Worked through deployment configuration, import edge cases, and user-flow defects to turn a fragmented spreadsheet process into a controlled web application.

Church Management System

Java, Spring, JPA, MySQL

- Built a centralized administration system for member records, ministries, attendance, and reporting, replacing disconnected spreadsheet-style tracking.
- Modelled JPA entities, relational data, validation rules, CRUD screens, and reports around day-to-day admin workflows.

Banking Application Demo

Spring Boot, React, REST API

- Built and hosted a full-stack banking demo with account-management and transaction workflows connected through REST endpoints.
- Practised frontend/backend contract debugging, request handling, and transaction-style state changes across a deployed stack.

Desktop Point of Sale

Java, Swing, JDBC, MySQL

- Created an offline-capable POS covering product management, cart processing, transactions, and database persistence.
- Packaged the application as a Windows installer so it could be reviewed as a usable product, not only as source code.

Source and installer: github.com/theo117/POS-App-v1

DEVELOPMENT EXPERIENCE

Pinnacle ICT IT Intern	2026 - Present
<i>Technical support and IT operations</i>	<i>Pretoria</i>
- Assist with technical support, troubleshooting, workstation setup, and user-facing IT requests in a professional ICT environment. - Document work clearly, follow operational procedures, and learn from experienced team members while applying systems support and development knowledge.	

Independent Software Projects Junior Systems Developer	2022 - Present
<i>Teodor Dev Tech / self-directed and small-client work</i>	<i>Pretoria</i>
- Built web, backend, mobile, and desktop solutions from problem definition through implementation, testing, deployment, and iteration. - Applied Java and Spring concepts to authentication, validation, data persistence, reporting, and role-aware business workflows. - Used GitHub for version control and maintained reviewable source paths and downloadable releases so technical work can be assessed directly. - Investigated defects across application, database, deployment, and user-flow layers, drawing on structured IT troubleshooting habits.	

EARLIER TECHNICAL EXPERIENCE

IT Technician Adcock Ingram and Netsurit	2012 - 2015, 2018 - 2022
- Resolved hardware, software, network, printer, workstation, and access issues while communicating clearly with users and taking ownership of incidents. - Built dependable documentation, prioritisation, and support habits directly transferable to debugging and production support.	

EDUCATION AND CERTIFICATIONS

System Development, NQF 6 Boston City Campus	2022 - 2024
System Support, NQF 5 Department of Higher Education and Training	2017
Microsoft Certified IT Professional Torque IT	2012