

# DAMIEN SWARTS

## JUNIOR SOFTWARE DEVELOPER | FINAL-YEAR ICT STUDENT

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### PROFESSIONAL PROFILE

Final-year Diploma in ICT Applications Development student at Cape Peninsula University of Technology with hands-on experience building full-stack web applications, REST APIs, client-server systems and desktop software. Practical experience using Java, Spring Boot, React, JavaScript, SQL and relational databases, supported by Git/GitHub, Postman, UML and unit testing. Comfortable translating requirements and UML designs into structured, database-backed applications through individual and collaborative projects.

### TECHNICAL SKILLS

**Programming:** Java, JavaScript, SQL, C#, PHP, Python

**Web & UI:** HTML, CSS, React, Vite, Java Swing, Windows Forms

**Backend & Testing:** Spring Boot, REST APIs, JPA, JDBC, JUnit, Java Sockets

**Databases & Cloud:** PostgreSQL, MySQL, Supabase, SQLite

**Tools:** Git, GitHub, Postman, IntelliJ IDEA, VS Code, NetBeans, Visual Studio, MySQL Workbench

**Concepts:** OOP, CRUD, layered architecture, UML, ERDs, validation, unit testing, client-server development, Agile teamwork

### SELECTED SOFTWARE DEVELOPMENT PROJECTS

#### Multi-Tenant Booking Platform

2026 - In development

*Spring Boot, React, Supabase, PostgreSQL*

- Developing a full-stack SaaS booking platform supporting customers, business owners and managers, employees, and platform administrators.
- Built Spring Boot REST APIs and workflows for business applications, services, employee availability, bookings, notifications, ratings and notice posts.
- Implemented validation for past dates, working hours, overlapping slots and employee availability, reinforced by PostgreSQL constraints and role-specific interfaces.

#### Student Registration System

2026 - In development

*Java, Spring Boot, JPA, JUnit*

- Converted a UML domain model into layered domain, factory, repository and service components for applicants, students, lecturers, departments, courses, classes and registrations.
- Applied builder and factory patterns, JPA mappings, input validation and JUnit tests to enforce business rules and maintainable design.

#### StayHub Student Accommodation Platform

2025

*PHP, MySQL, HTML, CSS, JavaScript*

- Built a full-stack platform where landlords can register, manage properties and review student accommodation applications.
- Designed the relational database and implemented CRUD operations, application tracking, server-side validation and database-backed workflows.

#### Lecturer-Student Management System

2025

*Java Swing, JDBC, MySQL, Sockets*

- Developed a Java client-server desktop application for managing lecturer and student information through a Swing interface.
- Implemented CRUD functionality, JDBC database connectivity and socket-based communication between the client and server.

### EDUCATION

#### Diploma in Information and Communication Technology: Applications Development

2024 - Expected 2026

*Cape Peninsula University of Technology, Cape Town*

Final-year student | Distinctions: Project 2 and Communications Networks Fundamentals 2

#### National Senior Certificate

Completed 2021

*SaxonSea Secondary School, Cape Town*

### WORK EXPERIENCE

#### General Worker - Ludebe Services, Cape Town

May 2022 - July 2022

- Delivered time-sensitive mail and documents accurately while supporting daily field-service operations.
- Assisted with water-meter replacements and demonstrated reliability, teamwork, communication and practical problem solving.

### CERTIFICATIONS

**Cisco (2023):** Introduction to IoT, Cybersecurity Essentials, Introduction to Cybersecurity, Introduction to Packet Tracer

**Cisco/NDG (2023):** Linux Unhatched