

Dorian McLaughlin

Software Developer

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PROFESSIONAL SUMMARY

Software Developer specializing in Oracle APEX and PL/SQL, with experience designing, building, and optimizing enterprise-level applications. Strong background in database design, performance tuning, and delivering scalable, high-performance solutions. Proven ability to translate business requirements into robust systems and support live production environments.

WORK EXPERIENCE

Amada JHB (UK)

10/2023 – Present

Applications Engineer

Edenvale

- Installed, configured, and upgraded software systems, SQL databases, and client applications (remote & on-site)
- Delivered on-site implementation, training, and support to clients across **multiple African regions**
- Provided technical support and troubleshooting via remote tools (e.g., TeamViewer) in live production environments
- Worked extensively with Amada software suites including **Sheetworks, VPSS 4ie, AP100, and Dr. Abe Tube**
- Established machine-to-PC and machine-to-server communication protocols, ensuring reliable system integration
- Designed and presented live demonstrations of software and machine workflows at industry expos and client engagements
- Built and configured live demo environments integrating software, databases, and CNC machinery
- Assisted clients with software queries, system upgrades, and performance-related issues
- Collaborated with internal and international teams to coordinate technical solutions and software delivery

Independent Development & Infrastructure

05/2023 – Present

Oracle APEX Developer & Systems Engineer

- Deployed and managed a self-hosted Linux server environment for application development
- Installed and configured Oracle Database 23AI, Oracle APEX, and ORDS within Docker containers
- Configured NGINX reverse proxy, domain routing, and SSL certificates for secure public access
- Designed and deployed live web applications accessible via custom domains
- Managed database environments, backups, and performance tuning
- Implemented end-to-end system architecture including database, middleware, and web layers

- Troubleshoot networking, containerization, and deployment issues in a production-like environment

ID Verification Systems

03/2023 – 05/2023

Oracle APEX & PL/SQL Developer / Team Lead

Edenvale

- Designed and implemented enterprise-grade applications using Oracle APEX and PL/SQL
- Engineered and optimized database schemas to improve performance, scalability, and data integrity
- Developed dynamic reports and dashboards to support business analysis and decision-making
- Collaborated with stakeholders to gather requirements and translate them into functional solutions
- Led development initiatives, ensuring timely delivery and alignment with business needs
- Executed data migrations and system enhancements with minimal disruption to live environments
- Provided technical leadership, mentoring team members and supporting end-users

ID Verification Systems

09/2021 – 02/2023

Software Developer (Permanent)

Edenvale

- Designed and maintained production applications using Oracle APEX and PL/SQL
- Improved system performance through query optimization and efficient database design
- Implemented user access controls and security practices to safeguard critical data
- Enabled seamless data integration between systems to enhance operational workflows
- Troubleshoot and resolved issues in live environments, maintaining high system availability

ID Verification Systems

04/2021 – 08/2021

Oracle APEX & PL/SQL Developer (internship)

Edenvale

- Assisted in developing and maintaining applications using Oracle APEX and PL/SQL
- Supported query optimization and database performance improvements
- Assisted in managing user access and implementing basic data security practices
- Contributed to data integration tasks across systems to support business workflows
- Participated in debugging and resolving application issues under senior developer guidance

EDUCATION

African Academy

2021 – 2021

Architectural Technology (NQF 6)

African Academy <i>Architectural Technology (NQF 5)</i>	2020 – 2020
African Academy <i>Piping Draughting Certificate</i>	2019 – 2019
Boksburg High School <i>Matric</i>	2018 – 2018

SKILLS

Languages

SQL, PL/SQL, JavaScript,
HTML, CSS

Technologies

Oracle APEX, Oracle Database

Concepts

Database Design, Debugging,
Performance Optimization,
REST APIs

Tools & Platforms

Docker, Linux, NGINX

PROJECTS

Stock Management System (Oracle APEX)

- Developed a custom application to manage stock, movements, and reporting
- Built interactive dashboards and reports for real-time insights
- Optimized PL/SQL procedures to improve performance and data accuracy
- Deployed on a self-hosted Oracle APEX environment using Linux and Docker

Financial Management System (Oracle APEX)

- Developed a financial management application to track income, expenses, and account balances
- Designed database structures for transactions, accounts, and reporting using Oracle PL/SQL
- Built interactive dashboards and reports for financial analysis and decision-making
- Implemented validation and business rules to ensure data accuracy and integrity
- Optimized queries and procedures to improve system performance
- Developed user-friendly interfaces using Oracle APEX for efficient data entry and reporting
- Deployed on a self-hosted Oracle APEX environment using Linux and Docker
- Implemented role-based access control to manage secure financial data access