

# Ciaran Swanepoel

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## Key skills

### • Technical

- C# .NET Core, ASP.NET MVC
- MSSQL, PL / SQL, noSQL
- Javascript, Typescript, React.js

### • Cloud & Dev Ops

- Azure DevOps, Github Actions
- Microsoft Azure, Firebase

### • Other Tools

- JIRA, Confluence
- Git, CI/CD Pipelines

## Education

### Bachelor of Science and IT in Application Development from

Varsity College Sandton, South Africa

Graduated 2020

- Data Structures
- Database Design
- Android Apps
- WinForms
- SQL

## Summary

Experienced software developer with 5 years in building scalable enterprise applications across aviation, fintech, and facilities management. Skilled in C# .NET Core, ASP.NET MVC, PL/SQL, and React.js, with a strong focus on backend development, REST APIs, and system modernisation. Proficient in Azure deployments, DevOps, and agile collaboration. Currently based in Australia and open to roles that encourage innovation and teamwork.

## Career history

### Senior Software Developer at AerCap

June 2024 – May 2025

Oversaw the design, development, and support of key web and Windows-based applications across leasing, maintenance, and finance functions within the world's largest aircraft leasing company.

#### Key Responsibilities

- Led end-to-end delivery of internal software solutions, integrating with Oracle E-Business Suite and other systems
- Managed offshore development resources to ensure timely, high-quality output across multiple projects
- Provided technical leadership, mentoring, and hands-on support for UAT, deployment, and post-release care

#### Achievements

- Spearheaded a major upgrade to the Project Management system, improving usability and reducing support tickets by 30%
- Delivered a scalable Maintenance Claims solution on .NET Core with React JS, enhancing performance and maintainability
- Strengthened SOX compliance and release processes through improved documentation and testing practices

### Software Developer at AerCap

April 2022 – June 2024

Worked as part of a cross-functional development team to build and maintain web and Windows-based applications supporting key aircraft leasing business processes, with a focus on Technical Specifications and Costing systems.

#### Key Responsibilities

## Higher Certificate in Support Services from Varsity College Sandton, South Africa

Graduated 2017

- Data Structures
- Database Design
- Android Apps
- WinForms
- SQL

## Certifications

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- Scrum Alliance Scrum Master certification

- Designed and developed scalable software solutions using .NET Core, C#, and React JS for internal business systems
- Collaborated with business users and IT teams to deliver features aligned with operational needs across asset management and maintenance costs.
- Supported deployment, testing, and UAT phases while maintaining compliance with SOX and internal standards

### Achievements

- Delivered a major upgrade to the Technical Specifications and Costs systems, reducing manual work and improving system performance
- Contributed to improved code quality and maintainability by implementing clean coding practices and reducing legacy technical debt
- Streamlined offshore development collaboration by enhancing documentation and issue tracking processes

## Software Developer at Trackplan FM

May 2021 – April 2022

Contributed to the development and enhancement of a cloud-based facilities management platform, delivering scalable features for asset tracking, maintenance scheduling, and contractor management.

### Key Responsibilities

- Developed and maintained core application features using .NET, JavaScript, and SQL across a multi-tenant SaaS platform
- Collaborated with a small agile team to gather requirements, implement new functionality, and resolve customer-reported issues
- Supported integration with third-party systems and improved backend performance through query optimisation

### Achievements

- Played a key role in automating client onboarding decreasing time to onboard by 50%.
- Reduced dashboard and report load times by up to 40% by optimising data access and front-end rendering logic
- Implemented key usability improvements based on customer feedback, enhancing overall user satisfaction

## Software Developer at Signature Business Solutions

March 2020 – February 2021

Worked on the development and deployment of financial payment engines for a major South African fintech client, focusing on performance, security, and customisation.

### Key Responsibilities

- Developed and maintained C# .NET Core payment processing applications
- Wrote complex SQL queries for transaction reporting and financial data extraction
- Built custom file writers (CSV, Excel, PDF) and integrated encryption for sensitive data
- Migrated and managed data between Oracle SQL and MS SQL

- Collaborated in an Agile team and contributed to CI/CD pipeline implementation

**Achievements**

- Delivered multiple customised bank payment file formats, tailored to strict client specs
- Improved engine performance and reliability through application-level logging and optimisation
- Played a key role in reducing client onboarding time by streamlining engine deployment processes

**References**

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Available upon request