

Romain Clemencon

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Summary — Software Engineer with a strong foundation in full-stack development and a passion for solving complex problems. Skilled at breaking down intricate systems and communicating technical concepts clearly. Seeking opportunities to collaborate with driven teams, optimise existing solutions, and contribute to impactful projects.

Skills

Backend C#, .NET, Python, Flask, T-SQL

Frontend React, TypeScript, JavaScript, HTML, CSS

Cloud/DevOps Azure, Docker, Git, Azure DevOps, AWS

Databases SQL Server, SSIS

Experience

Novo Nordisk Engineering

Advanced System Developer

Oct 2023 – Present

Jan 2025 – Present

Full Stack ASP.NET, React, TypeScript, Azure, SQL Server

- Led a 4-person team to redesign a full-stack application with modern patterns, reducing technical debt by 85%. Improved page load times from minutes to seconds through API optimisation and cross-page data caching.
 - Participated in hiring interviews and fully onboarded and mentored a new developer.
- CI/CD & Security Azure DevOps, YAML, C#, T-SQL, PowerShell
- Championed and implemented automated build validation pipelines with security gates for 10+ applications, directly contributing to NNE achieving ISO 27001 certification for software development (SDLC).
 - Resolved critical data warehouse incidents by redesigning sync processes with delta loads and comprehensive monitoring, achieving 99.999% uptime and eliminating a runaway scheduled task that caused permanent system locks. Shifted sync operations to database copies, reducing production database loads and deadlocks.

System Developer

Oct 2023 – Jan 2025

.NET, T-SQL, SQL Server, SSIS, VBA, Python

- Architected and implemented CI/CD pipelines enabling Git workflows on heavily customised third-party software, eliminating 100% of manual deployment steps and reducing release cycle from days to hours.
- Designed ETL pipelines processing 500K+ daily records with self-healing schema adaptation, eliminating production database load via data warehouse and removing the need for code changes when upstream structures evolved.
- Optimised data transformations for large datasets, reducing execution time from several minutes to a few seconds.

Bank of America

Jul 2023 – Oct 2023

Software Engineer

- Collaborated with technical leads and business analysts on a high-risk team to design and implement cross-project database integrations.

Huawei Ireland Research Center

Jan 2023 – Jul 2023

Software Engineer Intern

- Contributed to the development of a high-performance, low-level load balancer using DPDK.

Trellix

Jan 2022 – Sep 2022

Software Engineer Intern

- Migrated an on-premise application to AWS cloud-native architecture, improving scalability and maintainability.

Stripe via Telus International

Jul 2018 – Dec 2021

Technical Support

- Provided technical support for payment integration, assisting developers and merchants with API implementation.

Education

Munster Technological University

Sep 2019 – May 2023

Cork, Ireland

Bachelor of Science (Honours) in Software Development

1st, 2nd, 3rd, 4th Year - First-Class Honours (equivalent grade 12)

Honours

- Alejandro de la Flor Trellix Scholarship – 2021/2022

Projects

Cyli

Dec 2025

Python, Cypress, uv

- A CLI tool for managing and running Cypress tests with ease. Helps you discover, select, and run Cypress component and E2E tests from any project directory directly from your terminal.