Romain Clemencon

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Summary — Full-Stack Software Engineer specializing in complex SaaS ERP systems for the pharmaceutical industry. Expert at breaking down intricate technical concepts and optimizing system performance. Seeking to deliver scalable solutions within a collaborative team environment.

Skills

Backend	C#, .NET, Python, Flask, T-SQL	**Cloud/DevOps**	Azure, Docker, Git, Azure DevOps, AWS
Frontend	React, TypeScript, JavaScript, HTML, CSS	**Databases**	SQL Server, SSIS

Experience

Novo Nordisk Engineering — Oct 2023 – Present
Advanced System Developer — *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
Bachelor of Science (Honours) in Software Development — *Cork, Ireland*
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.