CHANDEZE KILLIAN

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PROFESSIONAL SUMMARY

Methodical and detail-oriented Software Engineer specializing in C#/.NET, with 3+ years of experience designing scalable systems across IT, supply chain, and finance sectors. Passionate about continuous learning, efficiency, and problem-solving. I enjoy working in structured and collaborative environments.

EDUCATION

Columbia University — Remote
Specialization Financial Engineering and Risk Management — Mar 2025 - Present

Microsoft — Lorient, FR
PGCert Full-Stack Software Engineering — Sep 2022 - Feb 2023

Clermont Auvergne University — Aurillac, FR
B.S. Statistics and Business Intelligence *GPA: 3.6* — Sep 2020 - Jul 2022

Camille Claudel — Clermont-Ferrand, FR
S.H.S. Computer Networking and Communication Systems *GPA: 3.7* — Sep 2017 - Jul 2020

EXPERIENCE

Freelance — Kuala Lumpur, MY
Software Engineer — Dec 2023 - Present

- Designed secure REST APIs using ASP.NET Core (Clean Architecture, JWT, validation, rate limits).
- Automated CI/CD pipeline via Azure DevOps; builds, xUnit, Docker; health checks and structured logs.
- Developed Angular front-end modules integrated with backend APIs, enhancing UX and performance.
- Architected normalized SQL Server database (3NF) with optimized indexing for high-read workloads.

AUSY — Lorient, FR
Software Engineer — Feb 2023 - Nov 2023

- Engineered a concurrent C# supply-chain algorithm: ~30% faster deliveries and higher throughput.
- Developed a C# WPF (MVVM) app with EF and LINQ, applying SOLID and async/await.
- Built microservices for ingestion, processing, and APIs; containerized with Docker and CI/CD.
- Led Agile (SCRUM) delivery with unit tests, model validation, and comprehensive documentation.

Michelin — Clermont-Ferrand, FR
Software Engineer — Apr 2022 - Jul 2022

- Optimized Oracle PL/SQL scripts, increasing log processing efficiency by ~45% and reducing latency.
- Built a C# WPF (MVVM) real-time dashboard with live metrics, alerts, and operator workflows.
- Automated ETL pipelines and SQL Server Agent jobs to ensure timely, validated reports.
- Streamlined AD/DB administration with C# and PowerShell, reducing manual operations and errors.

SKILLS

Programming:	C#, .NET 6+, ASP.NET Core, Angular, TypeScript, PowerShell
Databases:	SQL (MS SQL, MySQL, PostgreSQL), NoSQL (MongoDB, Redis), ORM (EF)
Backend & APIs:	REST API, gRPC, LINQ, Swagger, OpenAPI, RabbitMQ, SignalR, MediatR
Infrastructure:	Azure (DevOps, App Service), AWS , Docker, Terraform, Prometheus, Grafana
Data & ETL:	SSIS, Talend, Power BI, Data Warehousing/Modeling/Transformation
Methodology:	Agile/Scrum, TDD, SOLID, Clean Architecture, CQRS, Microservices, SOPs
Testing & Security:	xUnit, Serilog, Postman, JWT/OAuth 2.0, OWASP Top 10
Languages:	French (C2 - Native), English (C1 - Fluent)

PROJECTS

Game Server Hosting & Management Platform — Github/Sterbweise
Ported and deployed game server infrastructure on Linux with automated installation workflows. Developed a Python REST API (Flask/FastAPI) for centralized server configuration and real-time operations. Built a Rust console application interfacing with the API for cross-game license key generation.

Crypto Scoring & Investment Analysis — Astrumia
Python/.NET scoring program: statistical modeling and signal detection; tested pipelines, reproducible analytics, and actionable insights for investment decisions.