



Yves Bonami

Senior .NET Software Engineer

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PROFILE

Senior .NET Software Engineer with twelve years of backend development experience and strong expertise in Industry 4.0 and IIoT. Builds maintainable applications, APIs and integrations connecting machines, data platforms and business systems. Combines hands-on development with a strong interest in software architecture, knowledge sharing and mentoring.

WORK EXPERIENCE

• Reniver

2021 - present

Senior Software Engineer · Lier

Full-stack product development with a backend focus for Reniway Edge, an industrial data platform for machine connectivity and system integration.

- Makes technical design decisions for Reniway Edge using Clean Architecture and SOLID principles.
- Develops backend functionality with ASP.NET Core and Entity Framework Core.
- Builds machine and system integrations, including a gRPC service that isolates a complex legacy integration behind a consistent API.
- Advises customers on integrating software with their production machinery.
- Helps set up and maintain CI/CD pipelines in GitLab.
- Mentors junior developers and shares technical knowledge.

• Agidens

2014 - 2021

Senior Software Engineer · Zwijndrecht

.NET development for industrial customer solutions and in-house products, focusing on MES/MOM and system integration.

- Analysed business requirements and translated them into MES/MOM solutions for customer projects.
- Integrated Momentum, Brighteye's MES/MOM platform, with production and business systems to meet customer needs.
- Developed features for Aline terminal management software in C#/.NET using DDD and Clean Architecture.
- Designed and built Axcel for terminal planning in .NET, integrating KU Leuven's optimisation engine through an API.
- Set up and maintained CI/CD pipelines in Azure DevOps.
- Shared knowledge of Microsoft SQL Server installation, licensing and administration across the organisation.

WORK EXPERIENCE (CONTINUED)

● ArcelorMittal

2014

Mainframe Developer Intern · Gent

Analysis and modernisation of mainframe software for tracking produced steel coils.

- Analysed and documented legacy code.
- Modernised legacy COBOL code to PL/I.

TECHNICAL SKILLS

Languages & frameworks	C#, .NET, ASP.NET Core, Entity Framework Core, Python, TypeScript, Angular
Databases	Microsoft SQL Server, PostgreSQL, SQL
APIs & integration	REST, gRPC, MQTT, RabbitMQ, OPC UA
Software design	SOLID, Clean Architecture, DDD & domain modelling, API design
Platform & DevOps	Linux, CI/CD, Grafana
Testing & quality	Unit tests, Integration tests, Code reviews

TOOLS

Rider | Visual Studio | VS Code | Codex | Postman | Git | Docker | GitLab | Azure DevOps

SOFT SKILLS

✓ Problem-solving and analytical thinking

✓ Collaboration with colleagues and customers

✓ Clear communication and customer-focused advice

✓ Learning and applying new technologies

✓ Mentoring and knowledge sharing

EDUCATION & LANGUAGES

Bachelor's degree in Applied Computer Science | HOGENT · Ghent, Belgium | 2014

Dutch: Native | English: Fluent | French: Basic