

David Reyes

Senior Software Engineer (.NET Backend) | C# | ASP.NET Core | EF Core | SQL Server | APIs



Summary

Senior .NET backend engineer focused on data-heavy systems and automation. Strong in C#, ASP.NET Core, EF Core and SQL Server, delivering reliable APIs, reporting workflows and production fixes. Used to owning features end-to-end: business rules, performance, observability and support. Open to fully remote backend roles.

Work Experience

Barcelona Supercomputing Center

2020 - Present

ISS Developer & Application Integration Specialist

- Resolve daily production incidents related to data integrity, allocations and reporting (SQL Server + EF Core), ensuring accurate outcomes for internal stakeholders.
- Designed and implemented TRS 3.0 (Time Recording System), a core platform managing personnel effort, project reporting and automation of monthly timesheets.
- Build and maintain backend features in C#/.NET with complex business rules and high data consistency requirements.
- Diagnose and optimize queries and data workflows to improve performance and reliability in reporting and summary views.
- Improve maintainability via structured logging, validation and incremental refactoring of critical processes.
- Automated recurring invoice creation workflow (tax rules + project allocation), eliminating manual monthly work; running in production for 2+ years with zero incidents.
- Work closely with stakeholders to clarify requirements and deliver robust solutions with minimal operational disruption.

Colegio Maravillas

2009 - Present

IT & Systems Manager | Application Lead Colegio Maravillas S.L

- Owned IT operations end-to-end as the sole IT responsible: infrastructure, user support, devices, vendors and modernization initiatives.
- Led technology upgrades across the institution, improving operational efficiency and standardizing tools and processes.
- Supported 125+ devices/users, resolving incidents across hardware, OS and office/ERP tools.

Education

Universitat Oberta de Catalunya

2015-09 - 2019-01

Bachelor in Computer Science

Universitat Oberta de Catalunya

Grado en Ingeniería Informática, Ingeniería informática * (2015 - 2019)

Selected Projects

- TimesheetLite (Azure App Service + Azure SQL) — ([Demo](#) | [GitHub](#))
- PDF Reporting Module (QuestPDF) — reporting/export automation.
- Background Jobs (Quartz.NET) — scheduled processes and reliability

patterns.

Languages

- **English:** Professional working proficiency
- **Spanish:** Native

Certifications & Courses

- **IT Challenges: SQL Queries:** Acknowledged for completing advanced challenges in SQL queries. LinkedIn Learning.
- **.NET 7 Essential:** Completed course on the essential features of .NET 7. LinkedIn Learning.
- **Advanced C# 1:** Advanced course delving into programming with C#. LinkedIn Learning.
- **Comprehensive .NET 6.0 Course:** 200-hour course focused on development with .NET 6.0, covering from fundamentals to advanced applications. Imagina Platform.