

Kristian Ziu

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SUMMARY

.NET backend developer with expertise in C#, .NET Core/Framework, Minimal APIs, and microservices. Experienced in Azure (Functions, Cosmos DB, Redis, CI/CD), database design, and integrating third-party systems. Skilled in building dashboards, implementing messaging solutions (RabbitMQ), and delivering scalable B2B software. Strong background in requirement gathering, UATs, and translating business needs into technical solutions.

EXPERIENCE

Fullstack Software Engineer (Backend focused)

Binnova

March 2022 – Present, Milan, IT

- Managed **requirement gathering, analysis, documentation** and **development** of multiple B2B software solutions. Dealt with **UATs** and **ticketing**.
- Presented and proposed aforementioned solutions to non-technicals, counseling on costs and best practices.
- Set up the company's DEV environments in **Azure (CI/CD pipelines, resources, repositories, version control)**.
- Developed a company product that uses **Azure AI data extraction** (custom models trained on 500+ docs) and **Azure OpenAI** to process customer documents. [.NET 8 => 10, Azure, MS SQL, CosmosDB, Minimal APIs, Redis]
- Developed multiple **Invoice Management Systems**, collecting data from third-party software to build dashboards and allowing users control based on business logic. [.NET 8, .NET Framework 4.5 => 4.8, Azure, React, Next.js, Vite, AngularJS, MS SQL, MongoDB, RabbitMQ]
- Developed multiple **Microservices** for third-party software integrations, data extraction, data manipulation and data syncing between systems. [Docker, RabbitMQ, MS SQL]
- Developed a **Bank Authorization Flow Manager** for a major Italian bank to authorize money flows based on amount and required approvals, ensuring secure and efficient transactions across more than 15 of their offices. [.NET 8, React, Next.js, MS SQL, MongoDB]
- Developed a **Delivery Management System** integrating the customer's ERP with a SaaS delivery planning platform. It's currently in use in Switzerland, Italy and France to generate delivery sheets and asynchronously receive and request signatures. [.NET 8, React, Vite, MS SQL, RabbitMQ]
- Proposed and implemented solutions to the company's pain points (internal tools, scripting etc...).
- Developed multiple **event-driven** systems to gather signatures, collect critical data and notify managers and high-priority users. [.NET 8, RabbitMQ]
- Managed **sensitive** and **legally-binding data**, building audit tools.

PROJECT

Microparticle Research Setup Control GUI

University of Notre Dame, Indiana (US) • github.com/ziukristian/PhotronCameraGUI

- Designed and developed a multi-threaded Python GUI for microparticle research.
- Integrated controls for a [Photron High Speed Camera](#) and [FireFly Infrared Lasers](#).
- Developed a Python wrapper for the proprietary camera libraries written in C.
- Developed methods to visualize live imaging, collect data at different wavelengths and export it for further processing.

Hackathon submission, LuminaAI

DEVPOST: Hack for Humanity, HackSocial • devpost.com/software/lumina-ai

- Managed Backend and Infrastructure Design.

EDUCATION

Bachelor of Applied Mathematics (degree not completed)

Università degli Studi di Verona • Verona, IT

- Completed ~90 credits

Diploma in Computer Science and Telecommunications

IIS Cerebotani • Brescia • 2019

- TOP 100, [Italian Olympiad in Informatics](#) (national competitive programming contest)

SKILLS

Backend & Architecture : C#, .NET, ASP.NET Core, Minimal APIs, Microservices architecture, RESTful APIs, Domain-Driven Design (DDD), CQRS, MS SQL, PostgreSQL, Cosmos DB, MongoDB, Entity Framework, RabbitMQ, Redis, Unit testing, Integration testing

Cloud & DevOps : Microsoft Azure (Functions, Secrets, Entra ID, App Service, Container Apps), Docker, CI/CD pipelines, Azure DevOps, Vercel, Networking

Frontend & Web : React, Next.js, Vite, AngularJS, Tailwind CSS, Bootstrap, HTML5, CSS3, JavaScript, TypeScript

Other / Programming & General : Python, Rust, Git version control, Requirement gathering, User Acceptance Testing (UAT)