

Hi, I'm Francesco Belacca 🙋

Site Reliability Engineer | Cloud Reliability & Observability Expert

[LINKEDIN](#)[EMAIL](#)[GITHUB](#)

PARMA, EMILIA-ROMAGNA, ITALY



About Me


Senior Site Reliability Engineer | Azure & .NET Specialist

With 9+ years in technology, I drive reliability, scalability, and operational excellence for cloud-native and distributed systems. My expertise spans end-to-end production reliability, observability, incident management, and infrastructure automation—enabling organizations to deliver resilient services at scale.

Currently, I serve as an SRE at Würth-IT, focusing on Azure-centric reliability engineering, monitoring, and automation for Dynamics 365, Power Platform, and Entra ID. I thrive in complex environments, implementing SLOs/SLIs, reducing toil, and leading post-mortems to continuously improve reliability and performance.

Key Competencies:

- **Production Reliability:** Managing large-scale, single-tenant environments (85,000+ users, 500+ companies) with robust incident response, monitoring, and alerting practices.
- **Observability & Monitoring:** Implementing end-to-end telemetry, dashboards, and alerting using Azure, Prometheus, Grafana, and custom .NET solutions to ensure actionable insights and rapid incident detection.
- **Infrastructure Automation:** Expert in Bicep and YAML pipelines (GitHub Actions/Azure DevOps) for automated, repeatable, and auditable cloud infrastructure deployments.
- **Toil Reduction & Process Hardening:** Developing PowerShell and .NET automation to eliminate manual tasks, streamline operations, and improve on-call efficiency.
- **Capacity Planning & Chaos Engineering:** Load testing, performance tuning, and chaos experiments to validate system resilience and optimize resource allocation.
- **Incident Management & Post-Mortems:** Leading root cause analysis, documenting learnings, and implementing reliability improvements across teams.
- **Governance & Security:** Enforcing DevSecOps guardrails, RBAC, and compliance by default; automating secret rotation and identity security at scale.

 **My Mission:** To build and operate reliable, scalable cloud platforms that empower billions. I am passionate about simplifying complex distributed systems, driving operational excellence, and fostering a culture of continuous improvement.

Based in Parma, Italy. Let's connect to discuss the future of Cloud Reliability and SRE.



GitHub Stats

Francesco Belacca's GitHub Stats

★ Total Stars:	22
🕒 Commits (this year):	236
🔗 PRs:	75
💡 Issues:	66
💻 Contributed to:	5



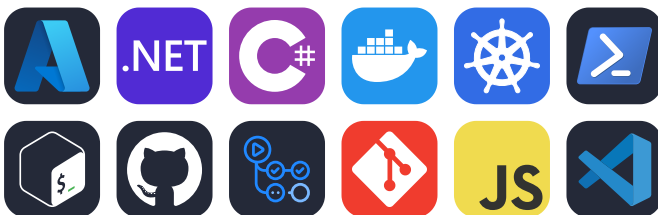
Most Used Languages



TypeScript 37.52%	TeX 5.28%
C# 25.19%	CSS 5.19%
JavaScript 13.52%	Shell 3.06%
HTML 7.53%	Bicep 2.70%



Tech Stack



Cloud & Infrastructure: Microsoft Fabric · Business Central · Software Infrastructure · Azure · Microsoft Entra ID · Microsoft Dynamics 365 · Microsoft Power Platform · Cost Optimization · Cloud Security · Windows Azure · Containerization · Distributed Systems · Cloud Infrastructure

Backend & Languages: C# · SQL · OOP · ETL · .NET · JavaScript · LINQ · Database · Server Microsoft SQL · T-SQL · .NET Framework · Microservices

DevOps & CI/CD: Github Enterprise · Powershell Core · Bash · DSC · Automation · DevOps · Version Control · Troubleshooting · Continuous improvement · Git · Windows PowerShell · AZURE DEVOPS

Frontend: HTML · Kibana

Methods & Tools: Stakeholder Management · Public speaking · JIRA · wsl · Communication · Attention to Detail · Analytical Skills · Project management · Agile Methodologies · Agile Project Management · Visual Studio · Microsoft Office · Project Leadership · Generative AI · Search Engine Technology · Artificial Intelligence (AI) · Artificial Intelligence for Business · Chatbots · Microsoft Search



Certifications

AZURE ADMINISTRATOR ASSOCIATE

MICROSOFT CERTIFIED DEVOPS ENGINEER EXPERT

MICROSOFT CERTIFIED AZURE DEVELOPER ASSOCIATE

Other certifications & courses



Experience

Site Reliability Engineer @ Würth IT Italy (Sep 2024 - Present)

📍 Parma, Emilia-Romagna, Italy

- Engineered and maintain robust CI/CD pipelines in Azure DevOps and GitHub Enterprise for CRM/ERP and Business Central workloads, optimizing for reliability and rapid recovery.
- Developed production-grade PowerShell automation and .NET APIs to eliminate manual toil, enhance operational efficiency, and harden critical processes.
- Implemented Bicep for repeatable, version-controlled Infrastructure as Code, enabling rapid environment provisioning and consistent deployments.
- Administer and govern Azure, Entra ID, Business Central, Fabric, and GitHub Enterprise tenants and repositories, enforcing DevSecOps guardrails, RBAC, and compliance by default.
- Collaborate with developers to shift-left reliability and security, codify best practices, and unblock delivery at scale through automation and monitoring.

Presales Solutions Architect @ Agic Cloud (Jul 2023 - Jul 2024)

📍 Parma, Emilia Romagna, Italia

- Designed Azure landing zones and application architectures with a focus on reliability, scalability, observability, and cost control for enterprise clients.

- Led technical presales, producing estimations and supporting bids for complex, multi-service Azure projects, emphasizing operational excellence and SLO-driven delivery.
- Drove DevOps adoption with Bicep, GitHub Actions/Azure DevOps YAML, and CI/CD patterns; standardized IaC and deployment practices to improve reliability and reduce deployment errors.
- Enabled Dynamics teams by defining integration patterns, securing workloads with Key Vault/Managed Identity, and optimizing delivery workflows for reliability.
- Worked with engineering teams to troubleshoot distributed systems, resolve production incidents, and streamline cloud operations for improved uptime and performance.

Backend Team Leader & Cloud Developer @ Agic Cloud (Feb 2022 - Jul 2023)

 Parma, Emilia-Romagna, Italy

- Led reliability engineering for multi-region projects, collaborating with Microsoft Consulting and remote teams to ensure resilient, highly available cloud solutions.
- Conducted end-to-end load testing using Azure Load Testing and JMeter, validating capacity planning and system performance under stress.
- Demonstrated AKS reliability by building and deploying a custom three-layered containerized application using GitHub Actions, Bicep, Helm, Chaos Mesh, and Azure Load Testing; exposed metrics via Prometheus and Grafana for observability.
- Mentored and guided the Agic Cloud Backend Team, fostering a culture of reliability, automation, and continuous improvement.
- Contributed to open source projects, sharing reliability and automation solutions with the community.

Earlier roles

 [Full career history on LinkedIn](#)



Featured Projects

- [macel94](#) — This profile auto-updates from LinkedIn using the [EU DMA Data Portability API](#), a C# script, and GitHub Actions.



Education

- **Università degli Studi di Urbino 'Carlo Bo'** - Informatica Applicata(CS) (Sep 2014 - Jun 2020)

- **Liceo Scientifico A.Volta Riccione - Corso Sperimentale Brocca** - High School
Focus on advanced mathematics and natural sciences within an extended-hours experimental curriculum.



Languages

- **English** — Full professional proficiency
- **Italian** — Native or bilingual proficiency



Volunteering

- **Azure Consultant** · education (Dec 2021 - Present)
I helped the company with their onboarding on azure for nonprofit helping them obtain 3000\$ per year. I helped them choosing the right technology for their use case and building their website, setting up the db, custom domains, etc.
<https://www.progettosole.org/>