

Hi, I'm Francesco Belacca 🖐️

Cloud Site Reliability Engineer | Azure & DevOps Expert

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

PARMA, EMILIA-ROMAGNA, ITALY



About Me

Senior Site Reliability Engineer | Cloud Infrastructure & Observability Specialist

With 9+ years in the tech industry, I specialize in driving reliability, scalability, and operational excellence for cloud-native environments. My experience spans the full stack, from backend engineering in C#/.NET to architecting resilient Azure solutions and leading teams in automating infrastructure and incident response.

Currently, I am an SRE at Würth-IT, where I ensure production reliability for large-scale Azure, Dynamics 365, Power Platform, and Entra ID services. My focus is on observability, incident management, SLO/SLI/SLA implementation, and reducing operational toil through automation and robust monitoring.

Key Competencies:

- **Production Reliability & Incident Management:** Oversee mission-critical environments (85,000+ users, 500+ companies), implementing monitoring, alerting, and rapid incident response to minimize downtime and ensure SLA compliance.
- **Infrastructure Automation:** Expert in Bicep and YAML pipelines (GitHub Actions/Azure DevOps), enabling repeatable, auditable infrastructure deployments and capacity planning.
- **Observability & Monitoring:** Design and maintain end-to-end observability stacks, integrating metrics, logs, and traces for proactive issue detection and root cause analysis.
- **Toil Reduction & On-Call Practices:** Develop automation and backend APIs to eliminate manual tasks, streamline on-call rotations, and facilitate post-mortem analysis for continuous improvement.
- **Security & Compliance Automation:** Automate identity and secret management (Key Vault), enforce RBAC, and ensure governance at scale across cloud tenants.
- **Chaos Engineering & Resilience Testing:** Advocate for and implement chaos testing and load simulations to validate system robustness under real-world conditions.

🎯 **My Mission:** To build and operate reliable, scalable platforms that empower billions. I am passionate about simplifying distributed systems, elevating reliability, and driving operational excellence through SRE best practices.

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



GitHub Stats

Francesco Belacca's GitHub Stats

| | |
|------------------------|-----|
| ★ Total Stars: | 22 |
| 🕒 Commits (this year): | 233 |
| 🔗 PRs: | 75 |
| 💡 Issues: | 66 |
| 💻 Contributed to: | 5 |



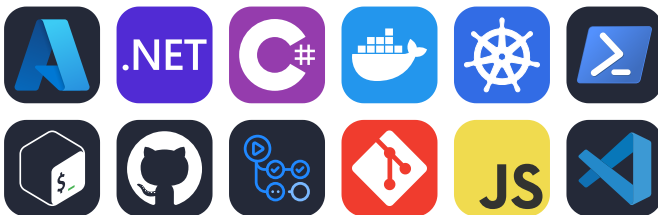
Most Used Languages



| | |
|-------------------|-------------|
| TypeScript 37.53% | TeX 5.28% |
| C# 25.20% | CSS 5.19% |
| JavaScript 13.52% | Shell 3.04% |
| 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

- Spearheaded reliability and operational excellence for Würth-Phoenix's Microsoft stack, optimizing production environments for CRM/ERP and Business Central workloads.
- Architected and maintained dynamic CI/CD pipelines in Azure DevOps and GitHub Enterprise, enabling automated deployments, monitoring, and rapid rollback capabilities.
- Developed PowerShell automation and .NET backend APIs to eliminate toil, enforce incident response workflows, and strengthen process reliability.
- Deployed Bicep-based Infrastructure as Code for consistent, reviewable environment provisioning and capacity management.
- Led governance and administration of Azure, Entra ID, Business Central, Fabric, and GitHub Enterprise tenants, implementing DevSecOps guardrails, RBAC, and compliance automation.
- Collaborated with development teams to shift-left reliability and security, codifying SRE best practices and accelerating delivery at scale.

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, and cost optimization, supporting enterprise SLAs.
- Led technical presales for multi-service Azure projects, producing estimations and solution designs that emphasized operational resilience and observability.
- Drove DevOps and SRE adoption by standardizing Infrastructure as Code (Bicep), CI/CD pipelines, and deployment practices, reducing manual intervention and improving delivery reliability.
- Defined secure integration patterns and automated identity management with Key Vault/Managed Identity, strengthening workload security and uptime.
- Partnered with engineering teams to troubleshoot distributed systems, resolve reliability bottlenecks, and optimize monitoring and alerting for cloud operations.

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

 Parma, Emilia-Romagna, Italy

- Led the backend team in delivering resilient, multi-region cloud projects, collaborating remotely to ensure high availability and production reliability.
- Orchestrated end-to-end load testing using Azure Load Testing and JMeter, validating system performance and capacity under stress.
- Built and deployed a multi-layered, containerized application on AKS using GitHub Actions, Bicep, Helm, Chaos Mesh, and Azure Load Testing, integrating Prometheus and Grafana for observability and SLI/SLO tracking.
- Mentored and guided the backend team, fostering a culture of reliability and continuous improvement.
- Contributed to open source projects, sharing reliability engineering practices and automation solutions.

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/>