

Bazil Inayat

Senior Software Engineer | .NET Core | Go | Rust | IoT

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📍 Remote

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SUMMARY

Senior Backend Engineer with 5+ years of experience building production-grade distributed systems in **healthcare** and **IoT** domains.

Specialized in **.NET/.NET Core**, asynchronous and concurrent processing, and message-driven architectures (**RabbitMQ**, **ZeroMQ**) handling **300+ messages per second**.

Experienced in delivering enterprise backend solutions with globally distributed Agile teams for companies like **Honeywell** and **ObiWAN**, with a strong focus on clean architecture, maintainability, and modern tech adoption across **.NET**, **Go**, **Rust**, **WPF**, **Syncfusion**, and **Angular**.

SKILLS

Technical

.NET | .NET Core | ASP.NET | Web APIs | WCF | Go | Rust | WPF | Angular (basic) | RabbitMQ | Redis | ZeroMQ | Azure | Docker

Others

Microservices | Coiote IoT Platform | LwM2M | Good Communication

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER

06/2022 - Present

SpringCT Pvt. Ltd. (Remote)

- Leading development for a US-based healthcare provider, Connect America Lifeline, delivering mission-critical systems for timely patient alert response.
- Acted as a key point of contact for client communications, coordinating cross-functional teams to ensure timely and effective project delivery.
- Designed and built a Central Alarm Receiver desktop application to process healthcare signals and publish real-time notifications via **ZeroMQ (ZMQ)**, supporting throughput of **300+ messages per second**.
- Planned and executed the decomposition of a large monolithic system into a microservices-based architecture, implementing core components in **.NET WinForms and Rust** with a focus on efficient messaging, fault tolerance, and scalable, maintainable system integration.
- Led **migration** of legacy .NET Framework applications to .NET Core, improving system design, performance, and maintainability by **~50%** through targeted refactoring and architectural enhancements.
- Designed and implemented backend **REST APIs** for a **healthcare** Electronic Visit Verification (**EVV**) system for HHAExchange, used in home care services to enable accurate caregiver visit tracking and compliant patient care workflows.
- Designed and built backend services in **Go** to integrate the **Coiote IoT Device Management Platform** with CMS, implementing **LwM2M**-based communication and aligning with the **TALQ** standard to manage smart street lighting schedules and dynamic control parameters.
- Mentored and onboarded junior developers and interns, providing hands-on guidance in .NET and C# while improving code quality, technical ownership, and overall team productivity.

SOFTWARE ENGINEER

07/2019 - 06/2022

SpringCT Pvt. Ltd. (Remote)

- Led development, maintenance, and enhancement of **7+ software projects** across messaging, backend, and integration systems.
- Earned repeated **onsite invitations** from the client to develop, test, and demonstrate solutions using production-grade equipment.
- Delivered proactive troubleshooting and timely resolution of complex production issues, achieving customer satisfaction.
- Produced and maintained comprehensive technical documentation and led training sessions for team members and new joiners.
- Created and maintained **UML diagrams** to improve system understanding and accelerate team onboarding.

INTERN

12/2018 - 06/2019

SpringCT Pvt. Ltd.

- Rapidly onboarded to the .NET stack within one week and contributed to active development.
- Collaborated with senior developers to support development tasks and meet delivery timelines.

- Designed and implemented new WPF module using **MVVM architecture** and **Syncfusion** UI library under 1 week.
- Improved code quality and build stability by resolving **270+** compiler warnings and aligning with coding standards.

PROJECTS

Unified Messaging Platform

- Designed and implemented a unified multi-tenant messaging platform supporting high-volume customer communications via SFTP-driven ingestion, centralized tenant management, parameterized data filtering, and scheduled campaigns across SMS, Email, and Push channels, with robust validation and queuing pipelines delivering up to 1 million SMS messages per hour and integrated SMS/email survey reporting.

E-commerce Web APIs

- Built backend Web APIs for an e-commerce application, integrating a client-specific payment gateway with secure request/response handling, payment web view rendering, and transaction record management.

Honeywell Leak Test Device Application

- Developed a Windows desktop application for Honeywell using **WPF** and **MVVM** to control and monitor leak test devices over a wired network.
- Implemented UDP-based device discovery and **TCP** command-and-control to collect operational metrics and device status, enabling centralized management of multiple devices via a kiosk interface.

CERTIFICATION

Azure Fundamentals (AZ-900)	01/2026
Issued By Microsoft	
SQL (Advanced)	01/2026
Issued By <i>HackerRank</i>	
1NCE Integrator	05/2024
Issued By <i>1NCE</i>	

EDUCATION

Master of Science	2019
SPPU	CGPA - 8.90