Katarina Novotná Senior .NET Developer

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PROFILE SUMMARY

- **Senior .NET Developer** with **9 years** in **insurance and consumer security software**, now owning the **claims handling services** at Czechia's second-largest insurer, from first notice of loss to payout.
- Builds with **C#** on **.NET 8** and .NET 10, **ASP.NET Core**, EF Core and Dapper on **SQL Server**, **Apache Kafka** and RabbitMQ, Redis, Docker and Kubernetes, and ships through Azure DevOps.
- Models claims with **domain-driven design** in the claims team's own terms (FNOL, reserves, subrogation), sends every payment event through a **transactional outbox**, and load tests releases against the last **storm season peak**.
- Works with **claims handlers, actuaries and loss adjusters**, plans **2-week sprints** with 2 product owners, and agrees every API change with the **core insurance system team** at a monthly integration review.
- Mentors **3 mid-level developers**, runs the **design review** for any change that touches payments, and wrote the **claims coding guidelines** every new developer reads in their first week.

TECHNICAL SKILLS

Languages & Runtimes:	C#, .NET 8, .NET 10, .NET Framework 4.8, T-SQL, PowerShell
Web & API Frameworks:	ASP.NET Core Web API, Minimal APIs, CoreWCF, Blazor, gRPC
Data Access & Databases:	Entity Framework Core, Dapper, LINQ, SQL Server, Redis, PostgreSQL
Architecture & Messaging:	Domain-Driven Design, Clean Architecture, CQRS, MediatR, Apache Kafka, RabbitMQ, MassTransit
Cloud & DevOps:	Microsoft Azure (AKS, Key Vault), Azure DevOps, Docker, Kubernetes, Bicep
Testing Frameworks:	xUnit, NSubstitute, FluentAssertions, Testcontainers, k6, SonarQube
Security & Observability:	OAuth 2.0, OpenID Connect, Microsoft Entra ID, OpenTelemetry, Dynatrace, Grafana

EDUCATION

Masaryk University — **M.Sc. in Informatics** — Brno, Czechia · Sep 2012 to Jun 2017

WORK EXPERIENCE

Kooperativa (Vienna Insurance Group) — **Senior .NET Developer** — Brno, Czechia · Jan 2021 to Present

- Broke the claims codebase into 4 bounded contexts (intake, assessment, payment, recovery) inside a **modular monolith**, cutting lead time for a claims rule change from 3 weeks to **4 days**.
- Published claim payment events to **Apache Kafka** through a transactional outbox, with idempotent consumers keyed on payment ID in the finance service, taking duplicate payouts from 11 a year to **0**.
- In the September 2024 floods, profiled the claim intake API with **dotTrace**, cut upload allocations and cached policy lookups in **Redis**, holding p95 at **380 ms** at 6 times normal volume.
- Designed the versioned **ASP.NET Core** API partner garages use to report motor damage, with OpenAPI contracts and **OAuth 2.0** client credentials, moving **38%** of motor claims off email.
- Built **Azure DevOps** pipelines that ship the claims services as Docker images to **Azure Kubernetes Service** with Bicep and Key Vault, taking releases from once a month to **3 a week**.

Avast — **Software Engineer** — Brno, Czechia · Sep 2017 to Dec 2020

- Moved the license activation service from .NET Framework 4.7 to **.NET Core 3.1** on Linux containers and rewrote its WCF endpoints as REST, cutting its servers from 18 to **7**.
- Replaced **Entity Framework 6** queries on the subscription renewal path with **Dapper** and covering indexes in SQL Server, cutting database CPU during the nightly renewal run from 86% to **41%**.
- Added **xUnit** integration tests and **SonarQube** quality gates to every pull request on the billing services, which cut payment bugs found after release by **61%** in a year.