

PAVLO SOKOLOV

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Summary

Senior Software Engineer with 9+ years of commercial experience and bachelor degree in computer science. Improved UX mostly by optimizations and architecture redesigns on backend side and reducing load speeds in different domain areas by at least 20%. Enabled A/B testing for not limited amount of users for ML team by one month increasing number of users from 15k to 1M

Experience

Senior Backend Engineer

[Ingenio](#)

Remote **01/2022 - Current**
1 year 5 months

- **Developed** user personalization ranking microservice based on ML data provided by Data team, which impacted m/m revenue growth by 13% (A/B test showed) using **.net Core, Elasticsearch, RabbitMQ**, background services to keep data consistent with MSSQL dbs
- Designed and developed loyalty program with third-party vendor integration which increased retention by 6% m/m
- Optimized bulk data updates up to 10 times by paralelizing processes, increased network bandwidth by decreasing number of update requests by merging updates and using bulk operations.
- Optimized query times by reducing number of using `_source` and using `doc_values` and `stored_fields` instead, which reduced query time from 100ms to 10ms, from 600ms to 80 ms in different scenarios

Senior Backend Engineer

[Enel X](#)

Remote **04/2018 - 11/2022**
4 years 8 months

- Development of multiple enterprise-level microservice applications for a Start-Up eMotorwerks which have been successfully sold to Enel, and was one of the leading departments at Enel X using the latest technologies of **C#, .NET, Azure, AWS**.
- Integrated multiple third-party escrow services, including Stripe, increasing global revenue by 16% q/q
- Developed API generating system based on customized NSwag solution which reduced Engineering team API development time by 10%
- Improved overall query times all over the system by optimizing SQL queries by 5x-10x times
- Designed and implemented scalable APIs and background workers for managing charging stations, payments processings, report generations, using **.net Core, Web API, AzureServiceBus**, CQRS patterns in mind along with Microservice Architecture.
- Optimized charge/plugout events by 50% in time equivalent which gave us better UX
- Integration of other companies chargers Tesla SuperCharger, DC Chargers, etc..

Software Development Engineer

[DMD Binary](#)

Remote **04/2016 - 04/2018**
2 years

- Migrated from Web Forms to .net Core
- Implemented enterprise crypto wallet using **C#, .Net Core, ASP.NET Pages**, Azure, RabbitMQ, Microservices.
- Led team of UI and Mob devs within mobile application creation using Flutter, **Web APIs**.

Software Engineer

[Selerant](#)

Kyiv, Ukraine **06/2015 - 04/2016**
1 year

- Developed document interaction system between suppliers and producers which reduced product appovement time and made supply chains more efficient by 23% using **C# .NET, MVC, MSSQL, Oracle, TypeScript**, WCF, MSMQ, and jQuery.
- Developed useful widgets for better progress management

Skills

- **EXPERT:** C# | .NET | .NET Core | Web API | ASP NET | WCF | MVC | Razor Pages | MSSQL | Elasticsearch | Git | Websockets
- **ADVANCED:** Azure | NUnit | Swagger | Unit Testing | OOP | CQRS | RabbitMQ | AzureSericeBus
- Microservices | Distributed Systems | Web APIs
- **FAMILIAR:** JavaScript | TypeScript | Dart | Flutter | Angular | jQuery

Education

Bachelor of Science

[Kyiv Polytechnic Institute](#)

Kyiv, UA **09/2014 - 06/2018**

- Automation and computer integrated technologies