

Andrei Tsialiatka

Software engineer

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Employment History

September 2017 – Software Developer, *Itransition Group*, Minsk
September 2022

Projects

2021–2022 Property renting

- The application is introducing greater choice for renters based on their individual preferences. It provides a supportive solution for those seeking a replacement to a traditional cash deposit that can adapt to tenants individual circumstances and maintain their cash flow at the start, and crucially at the end of the tenancy. The application offers tenancy deposit choice via its Deposit Replacement Membership – a monthly subscription-style service for tenants which allows them to rent a home without a physical deposit whilst also protecting a landlord's need for financial security. One of the main advantages of the application is that it provides API-interfaces for automating the journey for landlords and tenants – with a handful of early candidates already lined up.
- **Tools:** .NET 6, Azure SQL, EF Core, Autofac, AutoMapper, MediatR, xUnit, Identity Server, Serilog, Azure Storage, Azure MySQL, Azure AppService, Azure Service Bus, Azure Key Vault, Strapi CMS, TypeScript, React, Material UI, Storybook, Mobx, Yup, React Hook Form, Jest, Fluent Validator, SignalR, Azure Media Services.

2020–2021 Chromatography results processing

- A next-gen version of the original application which allows users to process and control different steps and stages of chromatography results. The application provides an ability to create plots for chromatography result peaks, apply integration filters for peaks, do system suitability checks to verify the results of integration and calibration steps, create user-specific workflows, apply permissions for users to give an access to work on a specific area of processing.
- **Tools:** ASP.NET Core 3.1, AWS (DocumentDB, S3), Docker, Angular 11, Typescript, D3.js, Angular Material, Wijmo, Karma, Jasmine, SpecFlow.

2017–2020 **Healthcare assistant**

- A complex healthcare solution that is aimed at helping people with chronic pain. Development includes several mobile applications, as well as separate web application along with a range of custom RESTful APIs. Main features of the project:
 - RTC communication (audio/video calling, text chatting across multiple platforms);
 - Activity tracker integration (Fitbit, Apple Health);
 - Assessment module that defines a custom course of actions for the patient;
 - Elaborate reporting/statistics modules for patients and counselors;
 - HIPAA compliance;
- **Tools:** ASP.NET Web API 2, Angular 6, Bootstrap 3, Dapper ORM, TokBox, Kendo UI, Telerik Reporting Tools, OData v4, C# 7, TypeScript, Karma, Jasmine, Git.

2017–2020 **Utilization review processing**

- A service that provides prospective, concurrent and retrospective review of the medical necessity of services. The project facilitates the timely and appropriate treatment of injured employees while providing employers with greater financial controls; Provides an ability to estimate the cost of physicians and nurses working processes based on different UR cases criterias; Allows to generate a huge amount of reports with different metrics and criterias. Provides an ability to determine state workers compensation plans by using industry standard guidelines such as ACOEM & ODG. Permission-based engine to restrict users to have an access to different application's areas.
- **Tools:** JetBrains Rider IDE, Git, Bitbucket, IIS 7, MS SQL Server, SQL Server Profiler, SQL Server Management Studio, Postman, ASP.NET Web API 2, Entity Framework 6, OData v4, DocX, EPPlus, Telerik Reporting Tools, Autofac, NUnit, AngularJS 1.6, KendoUI, Twitter Bootstrap 3, LESS, Webpack, npm, KendoUI, Babel, HTML5, CSS3, Jasmine.

Education

- 2015–2019 **Belarussian State University of Informatics and Radioelectronics;**
Faculty of Computer Systems and Networks;
Software for Information Technologies;
Bachelor's degree.
- 2019–2020 **Belarussian State University of Informatics and Radioelectronics;**
Faculty of Computer-Aided Design;
Labor Protection and Ergonomics;
Master's degree.

Skills

Main:

ASP.NET Core, Angular, Azure, SQL, Git, NoSQL, Docker, AWS, React, TypeScript.

Experience with:

TeamCity, Azure DevOps, Go, Python, L^AT_EX.

Languages

English Advanced
Belarusian Native speaker
Russian Native speaker