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Software engineer

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Employment History

November 2022 – November 2024 **Senior Software Engineer**, *ControlUp*, Minsk

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

Projects

2022–2024 **ControlUp**

- ControlUp is a comprehensive IT management and monitoring solution designed to enhance the performance and stability of virtual environments. It provides real-time monitoring, troubleshooting, and analytics for virtual desktop infrastructure (VDI) and server virtualization environments, such as Citrix XenDesktop/XenApp, VMware Horizon, and Microsoft RDS. ControlUp offers a range of features, including real-time monitoring of virtual and physical resources, user experience metrics, application performance insights, and detailed historical data analysis. Additionally, ControlUp provides automation and management features, enabling IT professionals to automate routine tasks, set up alerts for specific events, and conduct various management operations across multiple environments from a central console.
- **Tools:** .NET 8, PostgreSQL, MS SQL, Redis, EF Core, log4net, Splunk, GrayLog, .NET 4.8, WinForms, WPF, Docker, gRPC, React.

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:

Back-end: .NET 8, .NET Standard, EF Core, Dapper, NUnit/xUnit;

Front-end: Angular 17;

Databases: MS SQL, MongoDB, PostgreSQL, Redis;

Clouds: AWS, Azure, On-prem;

CI/CD: Azure DevOps, GitHub Actions, TeamCity;

Monitoring & alerting: Splunk, GrayLog;

Containers: Docker, docker-compose.

Experience with:

React, Go, Python, L^AT_EX.

Languages

English	Advanced
Belarusian	Native speaker
Russian	Native speaker