

# Andriy Petrenko

## Middle Software Engineer

### SUMMARY

- Full Stack Developer skilled in C#, .NET frameworks, JS/TS, React, Python, and Vue.js.
- Proven track record in end-to-end web platform development and maintenance, including custom plugin and component creation, API integration, and microservices implementation.
- Fluent in English and Ukrainian, possesses strong communication and teamwork abilities, alongside a solid foundation in problem-solving and software implementation strategies.
- Expert in various software development methodologies and architectures, such as SQRS+ES, with hands-on experience in Microsoft Graph API for backend services.
- Pragmatic engineer with diverse experience from UI/UX design in React to server-side development in Python, with a comprehensive understanding of database management, entity frameworks, and custom validation logic.
- Educational background includes a Bachelor's and Master's degree in Software Engineering from Dnipro National University of Railway Transport and Dnipro University of Technology, Ukraine.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	.NET (3 yr.), Umbraco (3 yr.), React (3 yr.), TS/JS (3 yr.)
<b>Programming Languages</b>	JavaScript, Python, TS/JS (3 yr.), TypeScript
<b>JavaScript Frameworks</b>	Angular, React (3 yr.), Vue.js
<b>.NET Platform</b>	ASP.NET, Entity Framework (3 yr.), Hangfire, .NET (3 yr.), .NET Core
<b>Python Frameworks</b>	Django
<b>JavaScript Libraries and Tools</b>	React Native, Redux (3 yr.)
<b>UI Frameworks, Libraries, and Browsers</b>	Tailwind CSS
<b>Databases &amp; Management Systems / ORM</b>	Microsoft SQL Server, PostgreSQL
<b>SDK / API and Integrations</b>	GraphQL

<b>Methodologies, Paradigms and Patterns</b>	Razor
<b>Platforms</b>	Umbraco (3 yr.)
<b>Other Technical Skills</b>	ES, Expo CLI

## WORK EXPERIENCE

### Full Stack Developer, Implementation SQRS+ES backend architecture

**Duration:** November 2019 – Present

**Summary:**

- Implementation of SQRS+ES backend architecture
- Worked with MS Graph Api to handle emails via background services
- Involved in implementation of various managers and writing a React frontend application, including unit tests for backend functionalities

**Responsibilities:** Full Stack Development and implementation of core features and testing.

**Technologies:** .NET 6, SQRS + ES, TypeScript, React, GraphQL

### Full Stack Developer, WebMail

**Duration:** November 2019 – Present

**Summary:**

- Developed components for a mobile application, created a navigation system, and integrated authentication and security features
- Also updated APIs to support the mobile application

**Responsibilities:** Full Stack Development including mobile navigation and authentication feature implementation.

**Technologies:** .NET Framework 4.8, Entity Framework, Umbraco CMS 8, TypeScript, React Native, Redux, Expo CLI

### Full Stack Developer, Cross-platform application Software Engineer

**Duration:** November 2019 – Present

**Summary:**

- Involved in the development of new Umbraco pages, custom plugins, and React components
- Worked on bug fixing and the implementation of microservices with various functions

**Responsibilities:** Full Stack Development along with maintaining the services.

**Technologies:** .NET Core/Framework, Entity Framework, Umbraco CMS, TypeScript, React, Redux, GraphQL, Hangfire

## **Full Stack Developer, Learning Management Portal**

**Duration:** November 2019 – Present

**Summary:**

- Developed web components using Vue
- js
- Worked on API creation and integration with external systems
- Managed CRUD functionalities and services

**Responsibilities:** Full Stack Development including Web Components creation and API integrations.

**Technologies:** Python, Django, Vue.JS, PostgreSQL

## **Full Stack Developer, Community forum**

**Duration:** November 2019 – Present

**Summary:**

- Managed community features at Umbraco backoffice and developed React components for community interaction
- Implemented functionality for topic and comment management as well as user notifications and engagement

**Responsibilities:** Full Stack Development focused on community feature implementation and management.

**Technologies:** Umbraco CMS, .Net Framework, Entity Framework, React, Redux, SQL Server, Hangfire

## **Full Stack Developer, ETL SaaS tool**

**Duration:** November 2019 – Present

**Summary:**

- Developed the front end using Vue
- js for ETL modeling and developed C# runtime execution for different endpoint connectors

**Responsibilities:** Full Stack Development including ETL SaaS tool front end and runtime execution development.

**Technologies:** .NET 6, Entity Framework, VUE.JS, TypeScript, Razor, Tailwindcss

## **EDUCATION**

- **BS, Software Engineering**  
Dnipro National University of Railway Transport, Ukraine  
2018 – 2020
- **MS, Software Engineering**  
Dnipro University of Technology, Ukraine  
2020 - 2022

