

# Márk Bartalos

.NET Developer

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## ABOUT ME

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**Master's student in Computer Science at the Slovak University of Technology** with 3+ years of professional and 7 years of practical experience in Full-Stack and .NET backend development. Focused on building robust, efficient software using clean architecture and design patterns. Interested in software design and emerging Web3 technologies. Currently seeking a **full-time role**.

## SKILLS

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.NET C#, Rust, Angular, Next.js, HTML, CSS, Tailwind CSS, JavaScript/TypeScript, Git, Design patterns, Rest API, Vue.js, Express.js, Solidity, MS SQL, MongoDB, Prisma, EntityFramework, React.js, Kubernetes, Docker, Postgres, Python

## PROFESSIONAL EXPERIENCE

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**2Ring, Full-Stack Developer** 06/2022 – 09/2024 | Bratislava, Slovakia

*Technologies: .NET, Entity Framework, MS SQL, Rust, Aurelia, Vue.js, Kubernetes*

- Worked on and maintained enterprise contact center dashboards serving 62+ countries including Fortune 500 companies
- Enhanced real-time monitoring applications using Vue.js and Aurelia frameworks
- Optimized back-end features in .NET and Entity Framework with MS SQL database
- Designed RESTful API services for real-time data visualization and reporting
- Contributed to rewriting data processing modules in Rust for improved performance

**Faculty of Informatics and Information Technologies** 09/2024 – 05/2025 | Bratislava, Slovakia

**STU, Full-Stack Developer & Scrum Master**

*Technologies: .NET, IdentityServer, Entity Framework, Angular.js, RxJS, Angular Material*

- Led team development of HIPA, a medical microscopy platform for Comenius University Faculty of Medicine
- Built high-performance streaming solution for multi-gigabyte microscopic images with smooth pan/zoom
- Developed comprehensive admin panel for teachers for learning content management
- Implemented Angular front-end with Material Components and RxJS for responsive interface

**Dorps (Contrakt), Full-Stack Developer** 03/2025 – present | Bratislava, Slovakia

*Technologies: .NET, Angular.js*

- Developed and extended web applications.
- Implemented and maintained RESTful APIs.

## PROJECTS

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### ReAnimate (personal project)

06/2025

Developed a web application for smart conversion of PDF documents to modern ebook and markdown formats using advanced AI OCR.

*Technologies: Next.js, Rust, Prisma, PostgreSQL, Typescript, Tailwind CSS, shadcn, NextAuth*

- Built intelligent processing pipeline handling diverse PDF structures while preserving document fidelity
- Implemented asynchronous job queue system with real-time progress tracking for concurrent file conversions
- Developed high-performance Rust backend for optimal processing speed and efficiency
- Designed responsive UI using Tailwind CSS and shadcn/ui component library
- Integrated OAuth authentication (Google, GitHub) via NextAuth for secure third-party login

## EDUCATION

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### Faculty of Informatics and Information Technologies

09/2024 – 05/2026 | Bratislava, Slovakia

STU, Master's Degree / Computer Science

### Faculty of Informatics and Information Technologies

09/2020 – 05/2024 | Bratislava, Slovakia

STU, Bachelor's Degree / Computer Science

## LANGUAGES

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English



Hungarian



Slovak



German



## AWARDS

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### TP CUP 2nd place,,

05/2025

Faculty of Informatics and Information Technologies STU

Our team has secured 2nd place in the faculty's Team Project Competition, after working two full semesters on our project: Histopathology web application. Our final product was an educational tool for Comenius University in Bratislava with a goal of modernising the learning experience. The evaluation committee, composed of senior executives and CEOs, awarded us second place.