

Kim Fom

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WORK EXPERIENCE

Fullstack Engineer (C# + React)

Commonwealth Bank

2023

- Integrated new icon functions into the bank's C# software, utilizing .NET, MongoDB, Postman, and Git, resulting in improved system efficiency and user experience
- Advanced the React/Redux interface to support icon functionality, demonstrating expertise in React, Redux, TypeScript, NPM, and Git
- Developed comprehensive unit tests using xUnit and .NET to ensure robust and high-quality code for new icon functions, resulting in a more reliable and maintainable codebase
- Effectively collaborated with the development team using Git and GitHub for version control, streamlining the development process and improving project management and code integration.

Software Engineer (C# + Blazor)

The C# Academy

2023 - Present

- Optimized The Academy's website using C#, .NET 8, and Blazor, resulting in a 70% performance improvement
- Translated the website into Russian, expanding global accessibility and reach
- Mentored over 50 students through code reviews, offering constructive feedback to enhance programming skills and debug code.

Frontend Intern (React)

MTS Labs + Innopolis University

2024

- Developed a scalable platform for order creation and execution through collaborative efforts
- Crafted a seamless user experience as the Frontend Engineer, leveraging React, TypeScript, and Tailwind CSS
- Built strong relationships with the backend developer and team manager, driving project success through effective collaboration and communication
- Enhanced user experience and boosted platform functionality by integrating Yandex Maps for location services
- Ensured successful project completion by optimizing the website for mobile and desktop users.

Fullstack Intern (Python + React)

Innopolis University

2023

- Developed an electronic library for Innopolis University, serving over 200 staff and students, as part of a 3-member team
- Designed and developed server and interface prototypes using Python, Flask, SQLite3, HTML, Bootstrap, and Jinja
- Enhanced the interface with React, TypeScript, Material UI, and NPM to improve usability and responsiveness
- Created an automated book information page generating link sources (BibTeX and plain text) for resource discovery and citation
- Ensured responsive design across all devices, optimizing support for mobile, tablet, and desktop users
- Implemented a Monthly Reports feature to track library usage and resource popularity via both endpoints and web pages.

RECENT PROJECTS

Hotel Reservation System ([github](#))

2024

- Developed a web application for modeling hotel room reservations and payments using C#, ASP.NET Core, and Postgres with Entity Framework Core for the database
- Implemented a scalable backend using the CQRS pattern with Mediator pattern and Clean Architecture, and utilized RabbitMQ for asynchronous communication between components and email notifications to guests.

Stack: C# + ASP.NET Core + React + TypeScript + TailwindCSS + LINQ + PostgreSQL + Entity Framework Core + RabbitMQ + MassTransit + Git + Docker + GitHub Actions

Imagizer ([github](#))

2024

- Designed and developed a C# and ASP.NET Core web application to efficiently resize and convert images between formats, significantly enhancing image processing capabilities
- Implemented MinIO object storage, ensuring 2-day image persistence, and integrated a third-party URL shortener, enabling users to share processed images easily.

Stack: C# + ASP.NET Core + MinIO + Git + GitHub + React + TypeScript + TailwindCSS

Sports Result Notifier ([github](#))

2024

- Developed a C#-based sports data scraper CLI utilizing HTML Agility Pack to extract top game results from a sports website
- Implemented an automated email feature, leveraging Gmail, to send extracted data to a destination email address.

Stack: C# + .NET Core + HTML Agility Pack + Git + GitHub

EDUCATION

Innopolis University, Russia

2023-2025

M.Sc. Software Engineering

Voronezh State University, Russia

2019-2023

B.Sc. Mathematics and Computer Sciences

KEY SKILLS

Programming Languages: **C#, JavaScript/TypeScript, Python**

Web Development: **.NET Core, React, HTML/CSS, Flask, Jinja**

Database Management: **Entity Framework Core, LINQ, SQL Server, PostgreSQL, SQLite, SQLAlchemy, Database Design**

Version Control: **Git, GitHub, Gitlab**

Testing and Quality Assurance: **Unit Testing, Integration Testing**

Containerization: **Docker, Docker Compose**

Backend: **REST API, Swagger, Postman**

Automation: **GitHub Actions, Cron Jobs, Crontab**

Full-Stack Development: **MVC, REST, Documentation, Agile Development**

Operating System: **Linux (Ubuntu), Windows**