

# ILONA ZAIKA

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Web Developer with 6 years of experience in designing, developing, and maintaining web applications using the Microsoft .NET stack. Solid understanding of .NET Core, ASP.NET, Entity Framework, and front-end technologies like Angular and React. Skilled in working with SQL (MySQL, PostgreSQL) databases and Azure cloud services. Certified in Microsoft Azure Fundamentals. Adept at working in Agile environments.

## WORK EXPERIENCE

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Global Logic, Ukraine

1/2020 – 9/2023 – Maternity leave

### Software Engineer

- Delivered scalable features for a large healthcare project using .NET Core and React.
- Leveraged Azure Cloud Services (Azure Functions, App Services, and Storage) for optimized performance and reliability.
- Designed secure, maintainable backend solutions and ensured compliance with healthcare standards.
- Collaborated in Agile teams, presenting technical updates and demonstrations to stakeholders.
- Mentored and onboarded 3 new developers, producing comprehensive documentation to streamline integration.
- Improved system reliability by implementing a fault-tolerant cloud architecture.
- Reduced onboarding time for new hires by creating clear and concise technical resources.

BullsEye Telecom, USA (remote part-time)

4/2019 – 1/2020

### Software Engineer

- Delivered critical hotfixes post-application migration to ensure stability and performance.
- Enhanced technical documentation, reducing new employee onboarding time by 66%.

TEAM International, Ukraine

1/2019 – 1/2020

### Web Developer

- Built enterprise-level solutions using microservices architecture for scalability.
- Migrated a WPF application to a web-based platform using Angular with extensive test coverage.
- Developed an offline-capable PWA using Redis and state-saving mechanisms for seamless user experience.
- Utilized SignalR for real-time updates, ensuring data consistency during connectivity changes.
- Boosted data flow efficiency through event-driven logic using RabbitMQ.
- Enhanced application performance with robust caching strategies and streamlined APIs.

IT Craft, Ukraine

3/2018 – 1/2019

### Junior .NET Developer

- Designed and optimized RESTful APIs for client-server communication.
- Implemented real-time notifications with SignalR, enhancing user engagement.
- Achieved 80% code coverage through thorough testing using xUnit.

## EDUCATION

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National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine

2014 – 2020

**Master, Software Engineering** (2018 – 2020)

**Bachelor, Software Engineering** (2014 – 2018)

## SKILLS

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**Languages/Frameworks:** C#, JavaScript, TypeScript, .NET Core, ASP.NET, Entity Framework, LINQ

**Front-End:** Angular, React, Redux

**Back-End:** RESTful APIs, Microservices Architecture, SignalR

**Cloud:** Azure (Functions, App Services, Storage), AWS (S3)

**Databases:** SQL Server, MySQL, PostgreSQL, Redis

**Tools:** RabbitMQ, Docker, xUnit

**Methodologies:** Agile, Scrum

## ACHIEVEMENTS

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### 1st Place – "Programmer 2018" Competition

2018

Borys Kolesnikov Fund

- Awarded first place in the national competition for developing a project to assist blind individuals in using public city transport.
- Earned a trip to the **CEATEC Conference Japan 2018**.

### Best Paper Award – 25th International Conference on Nuclear Engineering (ICONE25)

2017

American Society of Mechanical Engineers (ASME), Japan Society of Mechanical Engineers (JSME), Chinese Nuclear Society (CNS)

- Won the best paper award for research on **cybersecurity in nuclear power plants**.
- Presented the paper at **ICONE25** in Shanghai, China, July 2017.

### 1st Place – NASA Space Apps Challenge (National Stage)

2017

NASA

- Won the national stage of the **NASA Space Apps Challenge** with a project focused on innovations in fire-fighting technology.
- Developed a prototype of a fire detection system.