ILONA ZAIKA

United Kingdom | +44 7501 316383 | zaika.ilona.v@gmail.com | GitHub | LinkedIn

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

Global Logic, Ukraine   1/2020 – 9/2023 (Maternity leave)
Software Engineer

- Designed and implemented scalable features on a large-scale healthcare project using a modern technology stack: React for the frontend and .NET Core for the backend.
- Developed and deployed solutions leveraging Azure Cloud Services, including functions, storage, and deployment pipelines, to optimize performance and reliability.
- Collaborated in a cross-functional team to deliver high-quality, secure, and maintainable code, ensuring alignment with agile best practices and healthcare compliance standards.
- Presented project updates and technical demonstrations to stakeholders on the demo sessions.
- Interviewed and mentored 3 new developers, who were successfully onboarded to the team.
- Created comprehensive onboarding documentation and guiding them through complex project architecture, significantly reducing the learning curve.

BullsEye Telecom, USA   4/2019 – 1/2020
Software Engineer

- Acted as an on-site team representative, significantly enhancing communication between the product owner's team and the development team.
- Implemented hot fixes following the release of a migrated application, ensuring stability and prompt issue resolution.
- Written technical documentation for newly added features and developed an onboarding program, reducing new employee onboarding time to just 5 days (a 3x decrease).

TEAM International, Ukraine   1/2019 – 1/2020
Web Developer

- Worked within an agile team of five developers, prioritizing and scoping feature requests to focus on high-impact features first.
- Established and developed a robust enterprise solution using microservices architecture to enhance scalability and modularity.
- Successfully led the migration of a WPF application to a web-based platform using Angular, implementing extensive test coverage for all new features to ensure high-quality releases.
- Designed an offline-capable Progressive Web App with Redis caching and state-saving mechanisms to maintain data consistency without internet connectivity.
- Utilized SignalR for real-time updates, ensuring synchronized data when connectivity was restored, thereby enhancing reliability and user experience.
- Developed event-driven data processing logic with RabbitMQ, significantly improving data flow and system responsiveness.

IT Craft, Ukraine   3/2018 – 1/2019
Junior .NET Developer

- Designed and tested RESTful APIs for efficient client-server communication.
- Implemented real-time alerts and notifications with SignalR to update users on shipping status changes, improving engagement and timeliness.
- Optimized SQL database queries, enhancing data retrieval speed and overall user experience.
- Improved application performance, achieving 80% code coverage through thorough unit and integration testing with xUnit.

EDUCATION

National Aerospace University "Kharkiv Aviation Institute", Kharkiv, Ukraine   2014 – 2020
Master, Software Engineering (2018 – 2020)
Bachelor, Software Engineering (2014 – 2018)

SKILLS

C#, JavaScript, TypeScript, Angular, React, Redux, NET Core, ASP.NET, Entity Framework, LINQ, Web APIs, HTTP/REST/gRPC, SignalR, Microservices Architecture, MySQL, Redis, PostgreSQL, Microsoft SQL Server, RabbitMQ, Azure Service Bus, Docker, Docker-compose, HTTP/HTTPS, SSH, Microsoft Azure (Azure Functions, App Services, Azure Storage), AWS (S3), xUnit

ACHIEVEMENTS

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.