

Oleksandr S.

Senior Senior Full-Stack .NET Engineer

SUMMARY

- 8+ years of commercial work experience in IT
- Experience in developing applications using C#
- Profound experience in Microsoft .NET development and associated technologies: Microsoft .NET Framework, .NET Core, MS SQL Server, Kafka, Protobuf, MongoDB and Entity framework to manage microservices ecosystem from scratch
- Architecture design, OOP/OOD, SOLID, GoF/development
- Experience working in Agile (Scrum) teams
- Strong knowledge of data structures and algorithms
- Web services development (designing various types of APIs, services/ microservices)
- Ability to work effectively under pressure
- Good attention to details
- Upper-Intermediate English

TECHNICAL SKILLS

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| Main Technical Skills | ASP.NET |
| Programming Languages | C#, R |
| JavaScript Frameworks | Angular |
| .NET Platform | ASP.NET, ASP.NET Core Framework, Entity Framework, .NET, .NET Core |
| UI Frameworks, Libraries, and Browsers | CSS, HTML |
| Databases & Management Systems / ORM | Microsoft SQL Server, MongoDB, SQL, T-SQL |
| Cloud Platforms, Services & Computing | AWS |
| Amazon Web Services | AWS Lambda |
| Methodologies, Paradigms and Patterns | Agile, Scrum |

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| SDK / API and Integrations | API |
| Collaboration, Task & Issue Tracking | Atlassian Confluence, Jira |
| Deployment, CI/CD & Administration | CI/CD, TeamCity |
| Version Control | Git |
| Message/Queue/Task Brokers | Kafka |
| QA, Test Automation, Security | NUnit, xunit |
| Operating Systems | Windows |
| Other Technical Skills | NSubstitute, Protobuf |

EXPERIENCE

.NET developer

November 2022 - Present

Senior Software Engineer (.NET), Barclays PLC

April 2020 - November 2022

Software Engineer (.NET) , «EPAM Systems»

March 2015 - April 2020

PROJECTS

Senior Software Engineer

Description: Migration of a monolithic enterprise solution for processing high volume of data with distributed calculation to cloud architecture using microservices.

Responsibilities:

- Develop the enterprise solution (Credit Risk Engine & Regulatory Capital Reporting platform) for processing high volume of data with distributed calculation with high performance, scalability and reliability on C#.NET;
- Cover code with unit tests (NUnit, XUnit, NSubstitute, Fluentassertions);
- Suggest and drive technical improvements to the process and framework code;
- Develop SQL entities, like stored procedures, functions, views, etc;
- Implement requested functionality on R language;



- Diagnose, isolate and de-bug software issues and perform bug fixing;
- Take part in design, development and implementation of credit risk evaluation and reporting systems;
- Implement Basel II, III regulatory metrics and other requested functionality using R language;
- Developing downstream/upstream feeds with SSIS packages.

Technologies: .Net Core, ASP.NET Core, Entity framework Core, MS SQL, Angular, R, Protobuf, MongoDB, TeamCity, Git.

Senior Software Engineer, Investment Bank

Description: Develop enterprise solution for processing high volume of data with distributed calculation with high performance, scalability and reliability on C#.NET.

Responsibilities:

- Migrate the monolithic enterprise solution for processing high volume of data with distributed calculation to cloud architecture using microservices;
- Develop a framework based on .Net Core, Kafka, Protobuf, MongoDB and Entity framework to manage microservices ecosystem from scratch;
- Develop microservices for WCR Calculation & Reporting;
- Supporting and developing front-end part of the solution on Angular;
- Suggest and drive technical improvements of the new framework;
- Contribute to the overall quality of development services through brainstorming, unit testing, code reviewing and proactive offering of different improvements and innovations.

Technologies: .Net Core, Kafka, Protobuf, MongoDB, Entity framework, AWS Lambda.

Senior Software Engineer, Medical project

Description: Engineering modern application for processing and visualizing medical requests, orders and split billings with ASP.NET Core, Angular and MS SQL Server.

Responsibilities:

- Develop stored procedures, functions, triggers, and queries in MS SQL Server;
- Supporting and developing front-end part of the solution on Angular;
- Code review and bug fixing.

Technologies: .Net Core, ASP.NET Core, Entity framework Core, MS SQL, Angular, Azure Devops.



Software Engineer, Retail Bank

Description: Develop and support enterprise solution for retail lending process.

Responsibilities:

- Prepare regular and ad-hoc reports;
- Development, implementation and supporting APS in retail lending process;
- Risk database (based on MS SQL server) development for risk data consolidation, analysis and reporting.
- Develop SQL entities, like stored procedures, functions, views, etc;
- Prepare ad-hoc changes to domain reporting system on C#;
- Coordinate and support testing, provide assistance to business users in their custom requests and elaborate test plans.

Technologies: .Net Framework, Entity framework, MS SQL.

Senior Data Engineer

Description: Develop and support enterprise solution for retail lending process.

Responsibilities: Senior Data Engineer

- Coordinate and support testing, provide assistance to business users in their custom requests and elaborate test
- Development and optimization retail credit risk strategy and credit risk policy;
- Retail portfolio monitoring, data mining and interpreting trends. Preparation of analytical researches and forecasts of the portfolio dynamics;
- Participation in provision calculation, validation of PD and LGD Models;
- Forecasting and simulations (WHAT IF?) for new business logic proposals, carrying out quantitative analysis;
- Analysis, optimization and automating of business processes in Retail Crediting and Soft Collection; Defining new process improvement opportunities;
- Maintenance and management of IT-solution in retail lending (FICO OMDM, NBSM, Oracle DB and MS SQL Server, data marts, Credit Bureau connectors);
- Implementation and support of the automated reporting system based on FastReport.net;
- Providing regular and ad-hoc reports, presentations, forecasts for Management Board and National Bank of Ukraine;
- Data sources management. Implementation and support of external data sources (Credit Bureaus ...);
- Development, implementation and supporting credit risk control procedures;
- Scorecards development and lifecycle support;



- Project manager: prioritization of business tasks, make and control project plan according to priorities, estimating the resource requirements, resource allocation, control plan execution, documentation (delivery acts, testing protocols, etc).

Technologies: .Net Framework, MS SQL.

Data Engineer

Description: Develop and support enterprise solution for retail lending process.

Responsibilities:

- Analytical researches of the retail portfolio;
- Forecasting and simulations (WHAT IF?) for new business logic proposals;
- Developing and updating models to determination and calculate the main risk parameters (NPL, EL, PD) and the final products profitability;
- Scorecards development and lifecycle support;
- Business requirements analysis, preparing functional requirements and writing technical tasks for Bank's IT;
- Products changes simulation and forecasting.

Technologies: .Net Framework, MS SQL.

EDUCATION

Kyiv National Taras Shevchenko University, Economic Cybernetics, Master's degree

2005 - 2007

