LIDIA NECULA

Back-end Engineer

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📍 Amsterdam

EXPERIENCE

Senior Back-end Engineer

BinckBank

📅 08/2018 - Ongoing 📍 Amsterdam, The Netherlands

Online bank for investors

- Built a Restful API Platform to access BinckBank's trading services using ASP.NET Core, XUnit, Kibana, Grafana, Git, TFS, TeamCity.

Back-end Engineer

Agoda

📅 01/2017 - 07/2018 📍 Bangkok, Thailand

Online hotel and accommodation booking platform

- Designed and developed a robust, scalable and reliable back-end architecture using .NET technologies, SQL Server, NUnit, Kibana, Hadoop, Grafana, Git, TeamCity.
- Coordinated daily deployments and improving the deployment automation process.
- Worked closely with different teams to understand full stack functionality and architecture.
- Communicated constantly with product owners to understand business values of the developed features.
- Monitored and addressed production issues of the system.

Back-end Engineer (Remote)

Code for Romania

📅 10/2016 - 12/2017 📍 Bucharest, Romania

Non-governmental organization who creates open source digital tools for solving societal challenges

- Designed and developed the back-end functionality ASP.NET Core MVC, XUnit, EF Core, SQL Server, Azure Blob Storage, RedisCache, GitHub
- Implemented the CQRS pattern using MediaR and AutoMapper by encapsulating logic and behavior together into command/query objects and handlers.
- Architected the cache component in order to gain performance when querying the data.
- Set up the blob storage to store images.
- Raised the code quality standard by introducing test driven development to ensure the code is testable (automated Unit Tests and Integration Tests).

SUMMARY

Software engineer with 9+ years experience focused on the development of robust, scalable and reliable architectures (with great attention to RESTful APIs).

Follower of design patterns, SOLID principles and DRY concept.

Team player, organized, goal oriented, self-motivated, always improving.

SKILLS

.NET Framework   ASP.NET MVC

ASP.NET Web API   ASP.NET Core

NUnit   XUnit   EF   EF Core

Azure   Redis Cache   MSSQL   GIT

TFS   Bitbucket   TeamCity

EDUCATION

Databases and Web Technologies Master

University of Bucharest

📅 2014 - 2016 📍 Bucharest, Romania

EXPERIENCE

Back-end Engineer (Remote)
Fansz & Heroes Holding B.V

📅 11/2014 - 11/2016   📍 Amsterdam, The Netherlands

Social media
startup company

- Designed and developed a highly scalable RESTful API for a social network hosted on the Azure platform for mobile clients using ASP.NET Web API 2, MSSQL, EF, NUnit, TeamCity, Git, Bitbucket and Azure technologies: Table Storage, Blob Storage, Storage Queue, Worker Role, Redis Cache.
- Implemented the CQRS pattern in order to gain huge performance increases when querying across a complex and hierarchical domain model.
- Implemented a message queuing system that would off-load write operations from the web server into worker roles by sending serialized DTOs into queues for later consumption by worker roles.
- Implemented the cache component in order to gain performance when querying the data.
- Implemented the async/await pattern.
- Practiced TDD to ensure the code is testable (automated Unit Tests, Integration Tests and Acceptance Tests).

Servicing IT Development Program Senior Associate
Dell

📅 07/2013 - 11/2014   📍 Bucharest, Romania

- Designed and developed ASP.NET and Windows 8 applications using MVC, Prism (MVVM architectural pattern), XAML, EF, SQLite, MSSQL, HTML5, CSS3, Bootstrap, Telerik, JQuery, AJAX, Bing Maps, TFS.

Application Developer
IBM (EEU Software)

📅 02/2012 - 06/2013   📍 Bucharest, Romania

- Developed small and medium Meta4 modules based on the client specifications using Meta4 Technologies, LN4 (native programming language), SQL Oracle.

Software Developer
CustomSoft

📅 02/2011 - 01/2012   📍 Bucharest, Romania

- Developed a web application that generated different accounting reports writing VBA Excel Macros and SQL procedures and functions.

Software Developer Intern
Microsoft

📅 05/2011   📍 Bucharest, Romania

- Designed a POC for a real estate web application.

EDUCATION

Bachelor of Economic Informatics
Academy of Economic Studies

📅 2008 - 2011   📍 Bucharest, Romania

Braganca, Portugal
Polytechnic Institute of Braganca

📅 2010 - 2011   📍 Braganca, Portugal