Lidia Necula

Backend Engineer

📞 **+971585396477**
🔗 https://github.com/Lidiadev

@ **necula_lidia@yahoo.com**
📍 **Dubai**

EXPERIENCE

Senior Backend Engineer (Remote)

Brand New Day

📅 07/2019 - Present   📍 Dubai, United Arab Emirates

Online bank and pension provider

- Responsible for the design and development of the onboarding platform for customers and the customer domain application.
- I contribute to designing the architecture of our system and I improve and maintain our CI/CD pipeline
- I am also mentoring other team members in adopting industry best practices when it comes to code quality and unit tests.
- Performing peer code reviews and peer programming.
- Technologies used: ASP.NET Core, ASP.NET MVC, ASP.NET Web API2, SQL Server, NUnit, Bitbucket, Git, TeamCity, Logz.io, SonarQube.

Achievements: I introduced central logging and monitoring based on Elastic. I increased test coverage from 0% to 35%. I improved the pull request merge process by adding code analyzes and test coverage checks using SonarQube.

Senior Backend Engineer

Binck Bank

📅 08/2018 - 07/2019   📍 Amsterdam, The Netherlands

Online bank for investors

- Built a Restful API Platform to access BinckBank's trading services using ASP.NET Web API 2, ASP.NET Core, XUnit, Kibana, Grafana, Git, Azure DevOps Server.

Achievements: I contributed to shorten the release process and to automate it as much as possible with the introduction of quality gates (integration tests) and automatic approvals. I introduced system monitoring dashboards and alerts and I improved the logging by setting up Kibana for all environments.

Backend Engineer

Agoda

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

Online hotel and accommodation booking platform

- Responsible for the design and development of the Mobile

SUMMARY

Backend software engineer with agile and continuous integration development experience.

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 2   ASP.NET Core

NUnit   XUnit

Azure: RedisCache   Blob Storage
Table Storage   DevOps Server

EF   EF Core   MSSQL

GIT   TFS   Bitbucket   TeamCity

Kibana   Grafana   SonarQube

Gateway which is the single entry point for the Android and iOS clients using .NET technologies, SQL Server, NUnit, 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 using Kibana, Hadoop, Grafana and setup system monitoring dashboards and alerts.

Backend Engineer (Remote)
Code for Romania
📅 09/2016 - 12/2016   📍 Bucharest, Romania

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

- Designed and developed the back-end functionality using 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.

Achievements: I raised the code quality standard by introducing test driven development to ensure the code is testable (automated Unit Tests and Integration Tests). I improved the read performance by introducing the cache component.

Backend Engineer (Remote)
Fansz & Heroes
📅 11/2014 - 08/2015   📍 Amsterdam, The Netherlands

Social media startup company

- Responsible for the design and development of a 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 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 async/await pattern.
- Practiced TDD to ensure the code is testable (automated Unit Tests, Integration Tests and Acceptance Tests)

Achievements: I improved the performance of the API by implementing the CQRS pattern and introducing the cache component.

EDUCATION

Databases and Web Technologies Master
University of Bucharest
📅 2014 - 2016   📍 Bucharest, Romania

Bachelor of Economic Informatics
Academy of Economic Studies
📅 2008 - 2011   📍 Bucharest, Romania

Erasmus Scholarship
Polytechnic Institute of Braganca
📅 2010 - 2011   📍 Braganca, Portugal