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ANDRII LETSKALIUK – SOFTWARE ENGINEER

SUMMARY

- I am a results-driven .NET software engineer with a strong understanding of software development processes. I have effectively collaborated within Agile frameworks, to be a part of ensuring efficient team organization and successful project delivery.

- Technical design and implementation, collaborating with business analysts and product owners to deliver new features.

- Consultation on functionality and quick adoption of new tools and technologies.

- Proficient in .NET and C#, with a primary focus on development and deployment.

- Expertise in REST API, Web API, Open API, Core, and MVC.

- Experience with tools and platforms including Jenkins pipeline, Azure, AWS services (EC2), Docker, React, MS SQL, PostgreSQL, SQLite, and Ubuntu.

- Strong skills in writing tests, including unit tests, performance tests, and integration tests.

- General Management: Scrum, Agile

SKILLS

Academic Disciplines

- **Humanities:** Ukrainian, English

- Applied Sciences: OOP, Software Engineering Techniques, Microservice Architecture Pattern, Software Development, CQRS, Algorithms & Data structures, Test-Driven Development, REST, SOLID (object-oriented design principles), Dependency injection.

Engineering Practices

- **Intelligent Enterprise:** MS SQL, PostgreSQL

- **Cloud: AWS, Azure Cloud**

- **Advanced Technology:** Troubleshooting, CI/CD, Software Engineering Practices, .NET Asynchronous and Multithreading Programming, .NET Unit and Integration Testing, .NET ORM, .NET Web Development, Cloud Fundamentals, .NET

- **Quality Engineering:** Unit Testing

Leadership & Soft Skills

- **Ownership:** Problem-solving, Ownership

Technologies

- **UI:** React.js, Redux

- **Data:** PostgreSQL, Entity Framework Core, Microsoft SQL Server

- **Standard:** OpenAPI Specification (OAS), Azure Virtual Machines, Security Protocols and Standards, YAML, Git, Message Brokers (MQ), AJAX

- **Framework:** ReactJS, Entity Framework, xUnit, Bootstrap CSS, Workflow Core, NUnit, MailKit, jQuery, Redux, ASP.NET MVC

- **IDE:** Visual Studio

- **Other:** REST API, Docker Containers security, .NET API Development & Integration, ASP.NET AJAX, ASP.NET Web API

- **Web/Application Server:** ADO.NET, ASP.NET, nginx, .NET Framework

- **Computer Language:** JavaScript, LINQ, SQL, HTML, C#

- **Solution:** Gitlab CI, RabbitMQ, Microsoft Excel, Microsoft Power BI, DBeaver, Quartz.NET, Visual Studio Code, Gitlab, Jenkins, Sonar, Jira, Postman, Amazon EC2, Apache JMeter

- **Operating System:** Linux

- **Platform:** Amazon Web Services, Docker, Microsoft Azure

WORK EXPERIENCE

May-2024 – till now – Freelancer (USA, India)

Project Description: Micro-lending for small businesses and individuals

Role: .NET developer

Responsibilities:

- 1. Developed code for the 'user' module, implementing essential features and functionalities

- 2. Refactoring microservices

- 3. Migrated from MSSQL to PostgreSQL database

- 4. Create Docker containers with Docker-Compose

- 5. Update the product version from .net framework 4.8. to .net 8

- 6. Collaborated with the customer to implement tasks, write tests and ensure project alignment.

- 7. Created YAML-based class, diagram generator.

Tools and Technologies: Git, GitLab, GitExtensions, AWS, Postman, Visual Studio 2022/Code, MSSQL Management Studio, PostgreSQL, .NET 8, .NET Framework, Entity Framework, ODSB, UML, etc.

Jan-2022 - Apr-2024 - Key-Developer, EPAM Systems, https://www.epam.com/

EPAM Project Description: confidential

Project Roles: Key-Developer

Responsibilities:

Main Objective

- 1. Led project planning, task assignment, and progress tracking activities for the Telescope project

- 2. Coordinated and prioritized development tasks, ensuring the timely delivery of features and bug fixes in alignment with project timelines

- 3. Collaborated closely with product owners and stakeholders to gather requirements, clarify project goals

- 4. Played a key role in recruiting and onboarding new team members, facilitating their integration into the project

- 5. Implemented data aggregation and reporting using the PowerBI platform

- 6. Refactoring and transforming monolithic services, microservices

- 7. Utilizing design patterns such as orchestrator and choreography during the development process

- 8. Developing new features, functionalities, and bug fixes, while also focusing on code clean-up and refactoring

- 9. Writing JQL requests, analysing and creating non-standard requests using Atlassian tools

- 10. Working with workflow, middleware, ORM, and JWT

- 11. Collaborating closely with the DevOps team to ensure smooth deployment of the monolithic solution

- 12. Focused on simplifying and enhancing the scalability of open-api services to efficiently handle high workloads, with the ability to accommodate a substantial number of requests, ranging from 2000 to 3000 per second

Worked with

- 1. Utilized YAML specification for .NET open-api microservice generator

- 2. Implemented robust testing strategies, including xUnit, NUnit, and integration tests, to ensure reliability and performance

- 3. Conducted extensive performance testing using JMeter to optimize service response under high load conditions

- 4. Extended service functionality through the utilization of helpers, dependency injection (DI), and integration with AWS cloud services

- 5. Executed comprehensive refactoring activities to improve code quality, maintainability, and performance

- 6. Successfully integrated external microservices, enabling seamless connectivity and updates

- 7. Developed and updated comprehensive manuals and README files to provide clear documentation

- 8. Effectively managed and optimized the associated database (DB)

- 9. Implemented a streamlined version control process using Jenkins, ensuring successful builds before submitting pull requests

- 10. Employed SonarQube for code cleaning and maintaining high test coverage

- 11. Utilized Rally for project planning, reporting, and regular communication with team leaders and project managers

Tools and Technologies: SQLite, Visual Studio 2022, DBeawer, Jira, Git Extensions, Postman, Power BI, Jira, KB, Telescope, Core 7, LINQ, SQlite, JQL, REST API, microservices, monolith, AWS, k8s, MS SQL, PostgerSQL, Visual Studio 2019, Visual Studio 2022, Visual Studio Code, DBeaver, Jmeter, Rally, Jenkins, AWS, Postman, Git Extensions, .NET Core 3.1, .NET Framework 4.7, 4.8, xUnit, NUnit, integration tests, performance tests

(JMX with input CSV files), LINQ, .NET open-API (including generate with YAML specification), .NET microservices.

Mar-2021 - Sep-2022 - Full Stack developer (ReactJS/Redux, JS, core 5, 6), Private Pediatrician, https://doctorgogol.com

Customer: Gogol Lesia - pediatrician, endocrinologist

Project Description: Development Software:
1. Developed the UI (React.js, Redux, JS, Material UI, Bootstrap, Google Sign in) and backend components, including working with the PostgreSQL database.
2. Created user interfaces for patients, implementing features such as appointment scheduling, map integration, registration, and login functionality.
3. Collaborated closely with customers to develop an administrative section, which included managing appointments, writing advisory opinions, and implementing a Telegram bot for convenient access to details without PC access.

Deployment Software:
1. Managed server deployment by renting an Ubuntu 18 LTS server.
2. Facilitated domain registration to establish an online presence for the software.
3. Provided ongoing support and software updates, ensuring the smooth operation and maintenance of the system

Team Size: Full stack software engineer

Project Roles: Developer, PM, Architect, QA, DevOps

Responsibilities:

Worked with Customers

- 1. Collaborated with customers to develop a user interface for patients, enabling them to make appointments or decline them while receiving SMS notifications. Integrated DoctorGogol mobile address registration, clinic location on the map, registration and login functionality, and contact details

- 2. Created an administrative interface for pediatricians, including a list of appointments, a private Telegram bot for accessing appointment information or searching patients by name, and advisory opinion management

Developed the DB layer for efficient data management.

- 1. Implemented the UI layer to provide a user-friendly interface

- 2. Designed the Business layer to handle the core functionality and logic of the application

- 3. Established the Deployment layer for seamless project deployment

- 4. Implemented the Testing layer to ensure the reliability and quality of the software

Deployment

- 1. Successfully deployed the project on a VPS (Virtual Private Server – Contabo.com provider)

Tools and Technologies: React/Redux, JavaScript, Material UI, PostgreSQL, DBeaver, Linux 18.04LTS, VPS, MobaXTerm, MS Visual Studio 2019, MS Visual Studio 2022 Preview, MS Visual Studio Code, Photoshop, Contabo., .NET CORE 5, 6, PostgreSQL, Telegram Bot 17, 18

Feb-2021 - Jan-2022 - Full stack .net developer, Precision Zone inc., https://precisionzone.com/

Customer: Precision Zone, Icarus

Project Description: Industrial electronic (repair, sale). Company provides electronic and mechanical repairs, exchanges and sales of industrial numeric controls, robotic, automation, motion control products and tooling. They support CNC, Robotics, Motion Tools, Automation, fabrication and many related industries

Team Size: 2 - full-stack developers;
1 - team leader;
1 - architect;
1 - QA;
2 - customers

Project Roles: junior specialist

Responsibilities:

Main Responsibilities

- 1. Developed code for the 'admin' part (include UI - JavaScript), implementing essential features and functionalities

Additional Responsibilities

- 2. Created code for the UI (JS) and backend components, ensuring seamless user interaction

- 3. Wrote efficient and optimized stored procedures to enhance database operations

- 4. Performed rigorous bug searching and code rewriting, particularly in the UI section and functions, to improve software quality and resolve issues

- 5. Conducted periodic testing to ensure the reliability and functionality of the software

Tools and Technologies: JavaScript, MSSQL, MS SQL Server Management Studio 18, Microsoft Visual Studio 2017, Microsoft Visual Studio Code, Sourcetree., .net 4.5, .net 4.7, JS, CSS, HTML, JQuery, WebForms, Zeplin, Figma

Nov-2020 – Jan-2021: Self-Employed CV Development, https://simple.net.ua/

During this period, I worked on developing and enhancing my own CV to showcase my skills and experience.

Tools and Technologies: JavaScript, CSS, Bootstrap, Google Sign in, PostgreSQL, DBeaver, Linux 18.04LTS, VPS, MobaXTerm, Visual Studio, Visual Studio Code, .NET

Oct-2019 – Nov-2020 C#, C++ developer, freelance

Customer: from Ukraine

Project Description: development logical 2D games for children such as Battleship, Tetris, Worms game.

Project Roles: junior developer

Responsibilities:

Main Responsibilities

- 1. Developed the logical part of 2D games for children, including Battleship, Tetris, and Worms game.

Additional Responsibilities

- 2. Collaborated closely with senior developers to contribute to the design and implementation of game features.
- 3. Assisted in debugging and resolving issues in the game code to ensure smooth gameplay.
- 4. Actively participated in code reviews, ensuring adherence to coding standards and best practices.
- 5. Conducted research on emerging technologies and techniques relevant to game development, fostering innovation within the project.
- 6. Contributed to the optimization and performance improvements of the games, enhancing the overall user experience.

Tools and Technologies: OOP, MSSQL, MS SQL Server Management Studio, Microsoft Visual Studio 2017, GitLub, .net 4.5

1998-2000 Turbo Pascal - During my time in high school from 1998 to 2000, I extensively studied programming language.

EDUCATION

Name of the Education Establishment: NATIONAL UNIVERSITY OF WATER MANAGEMENT AND NATURAL RESOURCES USE

Faculty/College: Economics and Business

Department: Business Economics

Specialty: Economist

Degree (diploma): Specialist

Name of the Education Establishment: COMPUTER ACADEMY "STEP"

Faculty/College: Development software

Specialty: Software Development

Degree (diploma): Technical school graduate

Name of the Education Establishment: NATIONAL UNIVERSITY OF WATER MANAGEMENT AND NATURAL RESOURCES USE

Faculty/College: Ecology And Land Management

Department: Water Supply

Specialty: Fishery manager

Degree (diploma): Specialist