CATRUC ARTIOM

Java Development Engineer

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SKILLS & OTHER

• **Programming Language:** Java 8, JavaScript, Kotlin, Python
•**Tools:** Linux, XML Transformations (XSLT, XSD, DTD), Web Services, Operating system, Spring Boot, Spring MVC, Spring Data, Apache Maven, REST Api,MySQL,GIT,Docker, Redis,Microservice, Scrum, Agile Methodologies, CI/CD, Java Message Service,JUnit,Jenkins, Java Architecture for XML Binding (JAXB),
• **Foreign Language:** English (B1), Russian (C1)

Work Experience

UpWork Software Engineer | 2023 - 2024 Remote

- Architected an innovative RESTful API solution to streamline data flow between servers and clients, enhancing system scalability by 60% and reducing server load by 45%.
- • Implemented data cleaning protocols to ensure data quality and integrity; this proactive approach led to a 15% improvement in algorithm accuracy and a 30% reduction in system errors.
- Conducted performance testing to ensure the optimizations resolved the issues and improved load times.
- Architected robust backend solutions with Java, resulting in a 50% reduction in server response time and a 30% increase in system reliability; implemented scalable features to accommodate rapid business growth.
- Engineered a Spring MVC framework to develop scalable and secure web applications, enhancing performance by 40% and reducing load times by 50% through optimized code structures and database queries.
- Analyzed the data to identify patterns. Discovered that the slow performance was due to inefficient database queries and memory leaks in the backend code.

Course Project | 2023 Remote

- Designed and executed an OOP migration plan for legacy systems, resulting in a 60% reduction in technical debt and a 40% increase in system reliability.
- Developed a more efficient database access system using Spring Data and MySQL, eliminating redundant code and enhancing performance; reduced query execution time by 35% and improved data retrieval speed by 40%.
- Innovated Docker containerization framework to facilitate seamless deployment and scaling of microservices architecture; optimized resource utilization, reducing infrastructure costs.
- Analyzed 1500+ responses to a consumer survey to evaluate brand perception and customers' willingness to pay.
- Collaborated with product and marketing teams to redesign the mobile onboarding process, improving retention and user experience.

Education / Training

University Maritime of Constanta

Bachelor in Engineering and Management in Transport | 2018-2022

Avantaj consult

Diploma Software Developer | 2022

Project

Bank Management System | Java

- **Technologies** : BMS is a desktop application developed in Java Swing, MySQL
- https://github.com/artiomcatruc/BMSystem

ClubMember | Java

- **Technologies** : Java for the backend logic and application development, CSV file for data storage and retrieval.
- Ihttps://github.com/artiomcatruc/ClubMemberJava

Todos | JavaScript

- **Technologies** : React, HTML, CSS, JSX, REST API Integration, BootsTrap 5, React Router, Context API, Component,
- https://github.com/artiomcatruc/todos