

ION POALELUNGI

Fullstack .NET Software Engineer

Chisinau, Republic of Moldova

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Nationality *Romanian*

PROFILE

Fullstack developer with over 5 years of experience in designing, developing and deploying large complex applications using .NET, JavaScript and Python. Passionate about cybersecurity and cloud computing. Proven track record of delivering high-quality fintech solutions that meet both business and user needs. Strong communication skills, motivated to learn new technologies and deliver projects within tight deadlines. Interested in assessing, managing, and mitigating risks within complex systems. Committed to regular testing and improvement of security measures to ensure robust protection.

EMPLOYMENT HISTORY

❖ Fullstack .NET & Python Developer, QSystems Global Dec 2024 — Present

- Responsible for designing and implementing scalable microservices architecture using .NET and Python for B2B platforms as well as developing interactive frontend solutions with JavaScript and modern frameworks.
- Specialized in database optimization and schema design using Microsoft SQL Server, PostgreSQL, and Oracle DB, supporting complex financial data operations and improving query performance by 25%.
- Collaborated with security experts to deliver automated remediation solutions, empowering customers to effectively manage and mitigate open-source vulnerabilities.
- Built a fraud detection system using machine learning algorithms (XGBoost, Random Forest) that reduced fraudulent transactions by 40%.
- Designed and implemented integrations, plugins, and extensions to expand platform functionality.
- Ensured compliance with data protection regulations (GDPR) while handling sensitive financial data, achieving 100% audit readiness and reducing data breach risks by 50% through robust encryption and access control mechanisms.
- Designed and deployed a regulatory compliance automation tool using NLP and rule-based systems, reducing manual compliance workload by 50% and ensuring 100% adherence to GDPR and PSD2 regulations.
- Engineered end-to-end testing frameworks for .NET applications using MSTest, NUnit, and xUnit to validate patches and ensure system reliability.

❖ Fullstack .NET & Python Developer, AZMol Sep 2023 — Nov 2024

- Led the migration of a legacy monolithic system to a microservices architecture, improving system scalability by 30% and reducing dependencies between components. Used Docker for containerization, Kubernetes for orchestration, and Nginx as reverse proxy and load balancer.
- Designed and developed 5 B2B projects and their components using .NET & Python technology stack.
- Worked in a fast-paced environment and delivered projects weeks ahead of time.
- Used unit testing, integration testing, and test automation frameworks.
- Utilized cloud technologies (Azure) to deploy end-to-end AI applications, reducing deployment time by 40% and ensuring 99.9% system uptime through scalable and secure architectures.
- Used Redis caching for system performance increase.
- Implemented SQL query optimizations, reducing database load times by 50%.
- Enhanced system performance through front-end and back-end optimizations, achieving 25% faster load times and improving user experience across diverse devices and browsers.
- Successful mitigation of common vulnerabilities (SQL Injection, XSS, RCE, threat intelligence, entity behavior analytics, and intrusion detection with prevention) and secure coding practices, actively contributing to vulnerability management and security automation.

❖ Fullstack .NET & Python Developer, Freelance Sep 2019 — Nov 2024

- Designed and developed data-driven B2B and B2C solutions for customers from Norway, Switzerland, Greece, Denmark, Belgium, Austria, Romania and Italy.
- Collaborated in an Agile team of 5 to deliver a machine learning-powered financial analytics platform one month ahead of schedule, enabling clients to make data-driven decisions faster.
- Worked with package managers - maven, gradle, SBT, npm, yarn, and pypi.
- Optimized web applications performance, achieving load time reductions of 25% through front-end and back-end enhancements.

- Created an AI-driven chatbot assistant for a construction company that analyzed customer data (expenses, income) for tailored purchasing recommendations, increasing revenue by 8% while maintaining market competitiveness.
- Designed and implemented integrations, plugins, and extensions to expand platform functionality.
- Ensured responsive, mobile-first design, enhancing user experience across diverse devices and browsers.
- Analyzed insights and research techniques to drive automated patching processes.
- Delivered a scalable API solution for a client platform that reduced average query latency by 40%, ensuring improved performance and reliability under peak loads.
- Integrated automated vulnerability patching into .NET CI/CD pipelines, leveraging tools such as Azure DevOps to streamline remediation processes.
- Specialized in database optimization and schema design using Microsoft SQL Server, Oracle DB, and PostgreSQL, supporting complex B2B data operations.

EDUCATION

❖ **TUM** Sep 2019 — Jun 2023
B. Eng. Software Engineering (Honours English-Taught Program) Chisinau, Moldova

8 semesters of learning complex full-stack software development and parallel computing,
Top 20% of the year in Mathematics, Statistics and Probability – recognized by TUM principal for academic excellence in Advanced Mathematics, including Linear Algebra, Calculus, and Statistical Modeling.
Studied and worked with:

- Programming Languages: Python (advanced), C#, JavaScript, SQL, React.
- AI/ML Frameworks: TensorFlow, PyTorch, LangChain, RAG architectures.
- Data Analytics & Visualization: Pandas, NumPy, Matplotlib, Tableau.
- Cloud Technologies: Azure, Docker, Kubernetes, Nginx.
- Software architecture, OOP, SOLID, design patterns, and distributed computing.
- Database management (SQL, NoSQL) and data structures.
- Agile methodologies, DevOps, and CI/CD pipelines.
- Cybersecurity principles and secure software development.
- Gained practical experience through three internships, each lasting 3 months, during my Bachelor of Engineering program.

❖ **ULIM** Sep 2023 — Feb 2025
M. Eng. Management of Information Systems and Data Analysis Chisinau, Moldova

- Data-driven decision-making, reporting, and visualization (Tableau, Matplotlib).
- IT governance, strategy, and compliance (GDPR, HIPAA).
- Big data processing (Hadoop, Spark, cloud solutions).
- Data Engineering: ETL pipelines, data warehousing, API integrations.
- Predictive analytics, automation, and AI in business.
- Cybersecurity & risk management in IT infrastructures.
- Grade: 9.46 (according to Bayerische Formel: 1.3).

COURSES

❖ **Data Analysis** Jul 2024 — Dec 2024
Google

❖ **React**
Meta

LANGUAGES

Romanian	C2	German	A2
English	C1	French	A2
Russian	C1		