

ION POALELUNGI

Fullstack Software Engineer

Bucharest, Romania

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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, React, JavaScript and Python. Passionate about LLM-based architectures, AI solutions and cloud computing. Proven track record of delivering high-quality fintech solutions. 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 to ensure robust protection.

SKILLS

❖ Competencies

.NET, ASP.NET Core, Azure, CI/CD pipelines, Python, ML, React, JavaScript, HTML, CSS, LLMs, Docker, Kubernetes, Nginx, Git, unit testing, integration testing, performance testing, AWS, UX/UI knowledge, Figma, API design, Agile, Scrum, unsloth, Ollama, Hugging Face, problem-solving mindset, teamwork-oriented, mentoring, adaptability, collaboration, decision-making, critical thinking.

EMPLOYMENT HISTORY

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

- Responsible for designing and implementing resilient scalable microservices architecture using **.NET and Python**, as well as **developing interactive frontend solutions with React and 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%**.
- Implemented **Large Language Models (LLMs)** and NLP techniques to automate document analysis, reducing processing time by 30% and improving **decision-making accuracy**.
- Developed and maintained **enterprise-level .NET applications** (using C#, ASP.NET Core, and .NET Framework) with a strong focus on security best practices and robust performance.
- Built a **fraud detection system** using machine learning algorithms (XGBoost, Random Forest). Designed and deployed AI-powered applications leveraging **Large Language Models (LLMs)** to enhance decision-making and automation.
- 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**.
- Integrated **Open Banking APIs** with AI-driven analytics to provide personalized financial recommendations, increasing cross-selling success rates by **20%**.
- Contributed to secure modernization initiatives**, optimized message processing for high availability and low latency.

❖ 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.
- Developed **secure .NET applications** using **C# and ASP.NET Core**, focusing on **robust architecture and API design**.
- Provided technical mentorship to junior engineers, enforcing best coding practices, agile methodologies, and AI solution design.

- Designed and developed **5 B2B projects** and their components using .NET & Python technology stack.
- Built and optimized backend systems using **Python (.NET Core experience available)**, integrating **Kafka** for real-time event processing and ensuring high availability.
- Collaborated with security experts to conduct **thorough code reviews and security audits**, proactively identifying and mitigating potential vulnerabilities.
- Conducted **data analytics** to identify trends and opportunities, contributing to the development of new business models that increased revenue by **10%** and improved customer retention by **12%**.
- Worked with **AWS** serverless technologies and Infrastructure-as-Code (e.g., AWS Lambda, API Gateway, CloudFormation, SAM, Terraform), enhancing application resilience and scalability.
- **Implemented CI/CD pipelines, Docker/Kubernetes, and cloud-native 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.
- 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, Freelance Sep 2019 — Nov 2024 European Union

- **Independently** designed and developed **data-driven B2B and B2C solutions** for customers from Greece, Norway, Switzerland, 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.
- Implemented **integrations, plugins, and extensions to expand platform functionality.**
- Developed responsive, high-performance user interfaces using **React**, collaborating with UX/UI teams for seamless user experiences.
- Applied **data science techniques** to optimize financial models, achieving a **30% increase in ROI** through predictive analytics and conversion rate optimization (CRO).
- 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.
- **Delivered a scalable API solution for a client platform** that reduced average query latency by 40%, ensuring improved performance and reliability under peak loads.
- Ensured **responsive, mobile-first design** for AI-based applications, increasing accessibility and user retention by **10%**.
- Specialized in database optimization and schema design using **Microsoft SQL Server, Oracle DB, and PostgreSQL**, supporting complex B2B data operations.
- Designed and implemented custom integrations, plugins, and extensions within the .NET ecosystem to **enhance platform functionality and interoperability.**
- **Collaborated with security experts** to deliver automated solutions, empowering customers to effectively manage and mitigate vulnerabilities.

EDUCATION

❖ ULIM Sep 2023 — Feb 2025 *Master of Engineering in Management of Information Systems and Data Analysis* Chisinau, Moldova

- **Grade: 9.46 (Bayerische Formel: 1.3)**
- 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.

❖ TUM Sep 2019 — Jun 2023 *Bachelor of Engineering in Software Engineering (Honours English-Taught Program)* Chisinau, Moldova

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.

- **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 progr

LANGUAGES

Romanian	C2	German	A2
English	C1	French	A2
Russian	C1		

COURSES

- ❖ Data Analysis

Jul 2024 — Dec 2024

Google
- ❖ React

Meta

INTERNSHIPS

- ❖ Intern Fullstack .NET Developer, ADD Grup SRL

Mar 2023 — May 2023

Chisinau
- Database administration and backend logic implementation using .NET technology stack.
 - **Solid understanding of common vulnerabilities (e.g., SQL Injection, XSS, RCE)** and secure coding practices, actively contributing to vulnerability management and security automation.
 - Worked on a module of the **intelligent energy metering system** for sustainable energy consumption, tracking and monitorization.
 - Collaborated with data science team to implement **machine learning algorithms and AI-powered features**, enhancing predictive analytics within client modules.
 - Successfully **increased system efficiency by 20%** by integrating models into core SaaS offerings, enabling real-time insights and value-added services for end-users.
 - **Received excellence grade in evaluation.** Used ASP.NET, MS SQL, C#, Blazor, Razor Pages for this project.
 - Developed and maintained **robust unit, integration, and automated testing** frameworks, seamlessly integrating with CI/CD pipelines for efficient software delivery.