

Badan Alexandru

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SUMMARY

Full-stack Engineer with over 7 years of experience in the insurance sector, banking (including the National Bank of Moldova), and enterprise software development. Skilled in building scalable, high-performance solutions using modern technologies and frameworks. Experienced in managing complex projects, optimizing systems, and promoting team collaboration to drive innovation and operational efficiency.

WORK EXPERIENCE

NATIONAL BANK OF MOLDOVA

Mar 2023 - Present

Senior Engineer – Banking Systems • Chisinau, Moldova

Technologies Used:

- **Backend:** C#, .NET Core, ASP.NET Core, Entity Framework, Dynamics 365 CRM
- **Frontend:** Blazor Server, MVC, Razor Pages
- **Database:** SQL Server, PL/SQL, Mongo-DB
- **Authentication:** Keycloak, OAuth2, OpenID Connect
- **Caching & Performance:** IMemoryCache, Redis

CORALE-SOFT SRL

Mar 2017 - Nov 2022

CEO, DevOps Engineer • Chisinau, Moldova

Technologies Used:

- **Desktop Applications:** WPF, WCF, DevExpress, .NET Framework
- **Web Development:** ASP.NET Core, Blazor Server, HTML, CSS, Bootstrap
- **API and Reporting:** Web API, Fast Report, Swagger
- **Database:** MSSQL, Stored Procedures, Database Optimization
- **Programming Languages:** C#, JavaScript

CORMAR-SOFT SRL

Aug 2014 - Mar 2017

Technical Director • Chisinau, Moldova

Technologies Used:

- **Insurance Systems:** NGI (New Generation Insurance)
- **Programming:** C#, .NET Framework
- **Server Administration:** Windows Server, IIS
- **Monitoring and Security:** SQL Server Management Studio

MOLEX ZETRONIC SRL

Sep 2010 - Mar 2014

PLC Programmer • Padova, Italy

Technologies Used:

- **Automation and Control:** SIEMENS PLC, TIA Portal, SCADA Systems
- **Embedded Systems:** Microcontrollers, Wireless Communication Modules

Technologies Used:

- **Hardware and Automation:** Digital Logic, Programmable Logic Controllers (PLCs), Measurement Systems
- **Electronics:** Microprocessors, PCB Design, Circuit Testing

EDUCATION

Engineering and Management in Telecommunications

Technical University of Moldova • Chisinau, Moldova

Sep 2014 - Jun 2019

SKILLS

- **Advanced OOP:** Expertise in design and implementation based on principles such as inheritance, encapsulation, polymorphism, and abstraction.
- **Encryption and Decryption:** Experience with security algorithms for data protection.
- **Application Architecture:** Design and development of scalable and robust applications (MVC, Microservices).
- **Hardware:** Diagnosis and maintenance of computers.
- **Software:** Administration and configuration of complex systems and applications.
- **Internet and Cloud:** Configuration and integration of web applications and services.
- **Troubleshooting:** Rapid identification and resolution of hardware/software issues.

ADDITIONAL INFORMATION

- **Languages:** Romanian, Russian, Italian, English.
- **Certifications:** [SQL](#), [C#](#), [ASP. Net Core MVC](#)