Gheorghe PANTAZ

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● WORK EXPERIENCE

01/07/2023 – CURRENT Bucharest, Romania
CONSULTANT WORLDBANK GROUP

- Contributing to the formulation and execution of a strategic roadmap for the Government Cloud Platform (GCP), ensuring its alignment with industry best practices.
- Assisting in the development of a robust methodology for the selection, prioritization, and migration of government applications and services to the cloud.
- Conducting in-depth technical and business analyses of IT&C applications and processes designated for cloud migration, ensuring their readiness and compatibility.
- Reviewing and advising on technical guidelines and documentation pertinent to the GCP, ensuring their comprehensiveness and applicability.
- Gathering and synthesizing research insights and best practices at the EU level on cloud technologies, contributing to the knowledge base for the project.
- Evaluating the existing cloud migration strategy and offering informed recommendations on data governance frameworks to enhance security and compliance.
- Collaborating closely with World Bank teams, government officials, and other stakeholders to ensure the successful migration of services to the GCP and to build the client's operational capacity.
- Participating in workshops for understanding and clarification, aimed at aligning stakeholder expectations and project deliverables.
- Ensuring the successful delivery of project milestones in accordance with the Reimbursable Advisory Services agreement, contributing to timely and effective outcomes.
- Advising government officials on the strategic implementation of the GCP, leveraging my expertise in electronic governance and digital public services.

01/06/2023 – 30/04/2024 Chisinau, Moldova
TECHNICAL PROGRAM MANAGER CRITICAL INFRASTRUCTURE DIGITALIZATION AND RESILIENCE (CIDR), USAID

- Providing technical guidance for the design and implementation of the CIDR program, focusing on sectors like energy, water, and telecommunications.
- Serving as the primary liaison for local stakeholders, consultants, and partners in Moldova, ensuring effective communication and relationship building.
- Assisting in the incorporation of cybersecurity best practices into organizational operations, planning, and procurement for critical infrastructure entities.
- Supporting the development and implementation of cybersecurity policies and legislation at both local and regional levels.
- Managing and maintaining program activity records, including meeting agendas, work plans, and monitoring and evaluation plans.
- Coordinating with other regional entities and governments to ensure effective information sharing and capacity building in cybersecurity.
- Leading the drafting of program reports and other communications materials, ensuring timely and accurate dissemination of information.
- Overseeing resource allocation and calendar management to meet client needs for ad-hoc requests and program deliverables.
- Ensuring compliance with U.S. regulations, contract requirements, and company guidelines in all procurement and travel activities.
- Monitoring cybersecurity trends in the country and region, providing insights for program adaptation and improvement.

- Providing advice and guidance to government officials on cybersecurity investment needs, standards, and security controls.
- Managing the onboarding of new program staff, ensuring compliance with rules and procedures.
- Representing the CIDR program at regional conferences, seminars, and other events related to cybersecurity and critical infrastructure.

23/09/2021 – 15/03/2023 Chisinau, Moldova
DIRECTOR INFORMATION TECHNOLOGY AND CYBERSECURITY SERVICE

- Developing and implementing strategies and policies for the management of government ICT infrastructure.
- Overseeing the development, maintenance, and security of the government cloud infrastructure.
- Ensuring the delivery of secure government services through the use of advanced cybersecurity technologies and protocols.
- Managing and monitoring the government's email system to ensure secure and reliable communication.
- Maintaining and managing the national's ccTLD (country code top-level domain) to ensure its stability and security.
- Coordinating with other government agencies and departments to ensure the effective use of ICT resources.
- Leading the development and implementation of innovative ICT projects and initiatives to improve government services.
- Ensuring the timely delivery of ICT projects and services to government departments and agencies.
- Ensuring compliance with national and international cybersecurity standards and regulations.
- Developing and implementing disaster recovery plans and business continuity strategies for government ICT infrastructure.
- Managing relationships with ICT vendors and service providers.
- Providing advice and guidance to government officials on ICT and cybersecurity matters.
- Leading and managing teams of ICT professionals and cybersecurity experts.
- Preparing and managing the institution's budget and resource allocation.
- Representing the department at conferences, seminars, and other events related to ICT and cybersecurity.

03/07/2018 – 23/09/2021 Chisinau, Moldova
HEAD OF INFORMATION TECHNOLOGY DIRECTORATE INFORMATION TECHNOLOGY AND CYBERSECURITY SERVICE

- Developing and implementing IT strategies, policies and procedures to ensure effective and efficient operations of the IT department
- Managing and supervising IT staff and ensuring that they have the necessary skills and training to perform their jobs effectively
- Overseeing the design, development, and implementation of the government's IT infrastructure, including networks, servers, and applications
- Coordinating with other government agencies and departments to ensure interoperability and seamless integration of IT systems and services
- Ensuring the security and confidentiality of government data and information through the implementation of appropriate cybersecurity measures
- Developing and managing the IT budget and ensuring that resources are allocated effectively and efficiently
- Design and development of information systems for managment of pandemic situations
- Overseeing the procurement, installation, and maintenance of hardware and software systems and applications
- Ensuring compliance with relevant laws, regulations, and industry standards related to IT and cybersecurity
- Aligning IT solutions and services with eIDAS regulations, ensuring compliance and interoperability with European standards.
- Leading projects for the implementation of new electronic signature solutions, ensuring their integration and efficient use within government systems.
- Developing and implementing disaster recovery and business continuity plans to minimize the impact of system failures or disruptions
- Monitoring and evaluating the performance of IT systems and services, and identifying areas for improvement and optimization

07/03/2014 – 03/07/2018 Chisinau, Moldova
HEAD OF IT DEPARTMENT SPECIAL TELECOMMUNICATIONS CENTER

- Developing and implementing IT strategies, policies and procedures to ensure effective and efficient operations of the IT department.
- Managing and supervising IT staff and ensuring that they have the necessary skills and training to perform their jobs effectively.
- Design, development and implementation of information systems supporting digital services.
- Overseeing the design, development, and implementation of the government's IT infrastructure, including networks, servers, and applications
- Ensuring compliance with relevant laws, regulations, and industry standards related to IT and cybersecurity.
- Aligning IT solutions and services with eIDAS regulations, ensuring compliance and interoperability with European standards.
- Monitoring and evaluating the performance of IT systems and services and identifying areas for improvement and optimization.

01/08/2011 – 07/03/2014 Chisinau, Moldova
CERTIFICATION ADMINISTRATOR, PUBLIC KEY INFRASTRUCTURE SPECIAL TELECOMMUNICATIONS CENTER

- Architecture, design and development of information systems part of national digital identity infrastructure.
- Design, implementation and maintenance of PKI systems and infrastructures.
- Troubleshooting and resolving technical issues related to PKI services.
- Management of PKI digital certificates, including issuance, revocation, and renewal.
- Development and implementation of PKI policies and procedures to ensure compliance with security standards and regulations.
- Collaboration with other IT and security teams to integrate PKI services with other security technologies.
- Evaluation and testing of new PKI technologies and solutions.
- Management of PKI audits and assessments to identify and mitigate security risks.
- Participation in PKI-related projects and initiatives, including research and development of new PKI use cases and applications.

EDUCATION AND TRAINING

01/09/2007 – 31/05/2011
BACHELOR'S DEGREE IN ENGINEERING AND ENGINEERING ACTIVITIES, FACULTY OF COMPUTERS, INFORMATICS, AND MICROELECTRONICS Technical University of Moldova

Website UTM.MD

01/09/2011 – 04/2013
MASTER'S DEGREE IN ENGINEERING AND ENGINEERING ACTIVITIES, FACULTY OF COMPUTERS, INFORMATICS, AND MICROELECTRONICS Technical University of Moldova

CISCO COURSES DNT Associates Ltd

- Course Cisco CCNA
- Course Cisco CCNP
- Course Cisco CCNA Security

OTHER COURSES DNT Associates Ltd

- Linux(LPIC1,LPIC2)
- Course Mikrotik MTCNA/ MTCRE/ MTCWE/ MTCSE
- Course VMware vSphere
- Course VMmware NSX
- Course VMware VSAN
- Course Oracle Fundamentals
- Course Project Management
- Course ITIL v3

07/04/2020 – 09/04/2020 Bucharest, Romania
BUSINESS CONTINUITY IMPLEMENTER TUV Austria Romania

Field of study Information and Communication Technologies ｜ **Final grade** Certificate

03/03/2020 – 06/03/2020 Bucharest, Romania
IT SECURITY MANAGEMENT SYSTEMS INTERNAL AUDITOR ACORDING ISO 27001:2013 TUV Austria Romania

Field of study Information and Communication Technologies ｜ **Final grade** Certificate

LANGUAGE SKILLS

Mother tongue(s): **ROMANIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
RUSSIAN	C2	B2	B2	C1	B2
ENGLISH	B1	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Tools

Microsoft Word ｜ Microsoft Powerpoint ｜ Google Drive ｜ Zoom ｜ Outlook ｜ Google Docs ｜ LinkedIn ｜ Power Point ｜ Social Media ｜ Microsoft Excel

Programming

ASP.NET ｜ PHP ｜ Java ｜ Python ｜ DevOps ｜ Scripting ｜ CI/CD ｜ SQL ｜ C/C++ ｜ Bash

Security

VPN ｜ PKI ｜ IPS/IDS ｜ DDOS Protection ｜ ISO-27001 ｜ ITIL V3

Infrastructure

CLOUD COMPUTING ｜ Software Defined Storage (SDS) ｜ Networking ｜ VMWare Stack ｜ Kubernetes ｜ Intrusion Detection & Prevention Systems ｜ Nginx ｜ Software Defined Networking

Application

MinIO/S3 (Installation and Configuration) ｜ Kafka ｜ Elastic Search ｜ Oracle ｜ MySQL ｜ MS SQL ｜ Apache ｜ DataCenter

PROJECTS

03/2022 – 12/2022
Digital Transformation Strategy of the Republic of Moldova 2023-2030

Project role: Member of working group
Position: ITSEC Director
Description:
The strategy defines the Government's policy on digital transformation, information technology domain, including cross-cutting measures in the fields of public administration and public services, economy, education, and innovation.
The purpose of the Strategy is to contribute to the implementation of the main strategic documents such as the National Development Strategy, Government Action Plan, Sustainable Development Goals, EU-Moldova Association Agreement, Memorandum of Understanding on Digital Transformation between Moldova and Romania, and other international commitments made by the country.

05/2022 – CURRENT
Moldova Cybersecurity Rapid Assistance

Project role: Representative of Lead beneficiary; Expert
Position: ITSEC Director
Description:
The European Union introduced Rapid Assistance Project in Moldova to increase the cyber resilience of public sector organizations and key critical infrastructure sectors.
The overall objective of this Rapid Assistance is to increase cyber resilience of public sector organizations and key critical infrastructure sectors.
The project aims to strengthen the capacity building of Moldovan stakeholders, enable to compile cybersecurity institutions' legal frameworks, and bring them in line with the EU's approach, standards and relevant legal policy framework, notably but not limited to the NIS Directive
The main beneficiaries of the project are: the Information Technology and Cybersecurity Service (STISC/ITSec); the Ministry of Economy; the e-Government Agency of Moldova; the Security and Intelligence Service; the Ministry of Internal Affairs; General Prosecution Office; and the Ministry of Foreign Affairs and European Integration.

01/2022 – 12/2022
e-Voting Concept

Project role: Technical and cryptographic expert, member of working group
Position: ITSEC Director
Description:
The Internet voting system aims to offer the citizens of the Republic of Moldova an alternative voting tool, so that the electoral process becomes more accessible, inclusive, safe and innovative. It is intended for all citizens of the Republic of Moldova, wherever they are, and a specific objective of this voting method is to ensure access to the electoral process for citizens who are unable to travel to the polling station.
The development and implementation of the internet voting system will be carried out in several stages, each of them having a related action plan. Also, its implementation will be correlated with the implementation of the National Digital Transformation Strategy and the strengthening of the cyber security of the government infrastructure.

01/2022 – 03/2023
Governmental mobile identity and electronic signature service (Mobisign)

Project role: Technical expert, system architect, cryptographic expert
Position: ITSEC Director
Description:
The MobiSign Service is an electronic identity solution based on mobile applications and its main objective is to provide a tool to log in the digital environment and sign electronic documents, which will enhance the accessibility of electronic services, available both in the public and private sectors. The product is part of the state information system of Republic of Moldova and provides an innovative, secure, efficient and modern mechanism for electronic identification.

03/2018 – 12/2018
National Information Security Strategy 2019–2024

Project role: Expert, member of working group
Position: Head of Information Technology Directorate, Information technology and cybersecurity service
Description:
As a result of the project, in 2018, the Parliament Decision No. 257/2018 was adopted, approving the Information Security Strategy of the Republic of Moldova for 2019-2024, and the Action Plan for its implementation. The purpose of this strategy was to align the priority areas with responsibilities and competencies for ensuring national information security, based on cyber resilience, multimedia pluralism, and institutional convergence in security matters, aimed at protecting the sovereignty, independence, and territorial integrity of the Republic of Moldova.

05/2017 – 12/2018
"e-Integrity" Information System

Project role: Technical Expert
Position: Head of IT department at Special Telecommunication Center
Description:

The automated information system "e-Integrity" is an information system designed for the submission, archiving, automatic verification, and analysis of declarations of assets and personal interests, and facilitates electronic access by individuals and institutions interested in public interest information, while respecting the conditions of Law no. 133/2011 on the protection of personal data.

05/2016 – 12/2018
Courts Integrated Case Management System for

Project role: Technical Project manager
Position: Head of IT department at Special Telecommunication Center
Description:
PIGD is an information system developed in the context of strengthening the Moldovan judicial system and preventing and combating corruption. It allows for the registration of requests for summons to court, random allocation of cases to judges, provides information on the date and time of the hearing, and facilitates online tracking of the stages of the judicial process on the portal of national courts.

03/2014 – 12/2016
Government Cloud ICT infrastructure- MCloud

Project Role: Technical Project Manager
Position: Head of IT department at Special Telecommunication Center
Project budget:5+ M USD
Description:
Cloud ICT infrastructure MCloud was one of many other initiatives related to digital transformation.
The e-Governance Center of Republic of Moldova served as the implementing agencies of the project, and Center for special telecommunications ensured and provided the ICT infrastructure for project development. Key activities related to project implementation where related to technical design, preparing the technical documentation, performing the necessary procurement procedures, but also preparation of data center infrastructure, design, installation, configuration and commissioning of: Data Center hardware; Resource and management clusters Servers; Data Storage System; Ethernet switches, routers, firewalls; Data Center software; MC2 Cloud Technology Stack; Antivirus software, Microsoft SQL Server; Multi-vendor operation management tools.

03/2014 – 10/2015
Electoral Information System

Project Role: Cybersecurity expert and system architect
Position: Head of IT department at Special Telecommunication Center
Description:
The system was developed and implemented for the parliamentary elections in 2014, and represents an integrated information system for the registration of voters in the Republic of Moldova. For the 2015 elections, optimization of the system and information technology infrastructure of the Central Election Commission (CEC) was ensured."

03/2013 – 10/2014
MoldSign Desktop Suite

Project Role: Project manager
Position: Certification Administrator, PKI division, Special Telecommunications Center
Description:
The product associated with the MoldSign Desktop Suite electronic signature is a software tool that allows the application of a qualified advanced electronic signature on electronic information (*.pdf, *.doc, *.png, *jpg, *.txt, etc.) using a secure electronic signature creation device, verification of the authenticity of the qualified advanced electronic signature, password encryption/decryption of the file, and secure (irreversible) deletion of the file from the computer.

03/2013 – 11/2014
The integrated governmental service of the electronic signature (MSign)

Project role: Business Analyst, Technical Expert
Position: Certification Administrator, PKI division, Special Telecommunications Center
Description:
MSign is a reusable service provided at the level of the Government common technological platform which aims to provide an integrating, secured and flexible mechanism as well as various solutions for the application and verification of the electronic signature authenticity by the users.

As part of the team, technical expert and business analyst my responsibilities were to identify, elicit and document business requirements of the platform and development of the technical solution to facilitate MSign integration with various public and private information systems and digital services.

10/2012 – 07/2013
The governmental authentication and access control service (MPass)

Project role: Technical Expert
Position: Certification Administrator, PKI division, Special Telecommunications Center
Description:
The governmental authentication and access control service (MPass) represents a reusable service which is provided at the level of the Government common technological platform which aims to provide an integrative, secured and flexible authentication and control mechanism of the user access into the information systems, including the electronic ones. The user authentication function may be exercised by various methods provided by the authentication providers.
As a technical expert in this project I ensured the development of the technical solution for the usage of electronic signature as a mechanism for authentication and authorization within the platform. The initial version of the service was launched in 2013.

11/2011 – 09/2012
Mobile electronical Signature Service - Mobile eID

Project role: Technical Project Manager
Position: Certification Administrator, PKI division, Special Telecommunications Center
Description:
The Mobile Signature works as an ID in the virtual world, based on qualified electronic signature, allowing users to identify and authenticate themselves in the cyberspace in order to prove their identity with the cellphone.
As a technical project manager my responsibility was to ensure coordination of all technical aspects of the project, including development of technical concepts, technical requirements and integration with mobile operators. In the context of the complexity and the innovative technical approach of the project additional effort was necessary to ensure integration with all existent public digital services of various authorities.
The Republic of Moldova was among the first countries in the world to implement Mobile eID and back in 2013 was awarded the "Best mGovernment award" by GSMA.