Curriculum vitae

Personal data

Name | **PALANCIUC MAWAS, Dorin Mihai**

E-mail | _____

Summary | **Passionate and experienced software architect, technical leader, and developer, with expertise in systems development and integration. Strong communication and presentation skills, able to effectively convey technical information to non-technical stakeholders and project an accurate status. Skilled in modeling and documenting architectures and processes in cloud and enterprise environments. Expertise in agile, iterative and waterfall development life-cycles. Striving to create optimal solutions, and successfully share the vision with the team. Able to identify change and manage its execution. Willing to maintain long-term partnerships in diverse and dynamic environments. Substantial background in designing and documenting software solutions for EC-funded projects (FP7 and CIP programs). Experience in coordinating technical work-packages and presenting deliverables in project reviews. PhD study in progress, focused on Distributed Systems at "POLITEHNICA" University of Bucharest.**

Professional Experience

Period 2020 - present

Employer | **The Court of Justice of the European Union**

Function | **Software System Architect, Administrator**

Main activities | **Coordination and validation of activities in the area of software system architectures, integrations and functional analysis**

Period | **2019 – 2020**

Employer | **PwC Luxembourg**

Functions | **Senior Manager, Systems Architecture, Implementation of IT Systems**

Main activities | **Advisory Services in the area of IT for clients from public and industrial sectors - including European institutions.**
Subject Matter Expert in the following areas:
- Design and Implementation of Large-Scale IT Systems;
- Enterprise Architectures;
- Service Oriented Architectures;
- Cloud Solution Development and Migration;
- Big Data;
- Master Data Management;
- DevOps and DataOps.

Period | **2017 – 2019**

Employer | **Thales Systems Romania – part of the Thales Group, France-based, multinational engineering group, with divisions active in ground transport, aerospace, security and defense.**

Functions | **Software Architect, Agile Product Owner**

Main activities	**Architecture and Design Specification for event-driven, distributed systems, used internationally in railway signaling. These systems need to be safe, incorporate redundancy, and be highly configurable. Some design entities are being deployed on geographically distributed physical nodes, while others are hosted in cloud environments. Legacy protocols and processes need to be supported, along with newly emerged ones. The development effort is multi-site and highly collaborative among multiple company units.**

Period 2010 – 2017
Employer Teamnet International – Supplier of IT services, systems developer and integrator, reaching EU and Romanian markets

Functions	**Solution Architect, Technical Project Manager**
Main activities	**Coordination and validation of all technical activities: requirements analysis, design and documentation of system architecture, development, validation/verification, maintenance/operation. Main point of interaction with the client and business project managers, for scope management, delivery road-map and other project governance activities:** • requirements – gathering, documentation, prioritization • solution architecture – design and documentation • development – coordination, continuous validation, assessment of scope • maintenance and operation – point of contact for high level support and preventive maintenance for systems already in operation
Period	**2007 – 2010**
Employer	**Teamnet International – Supplier of IT services, systems developer and integrator, reaching EU and Romanian markets**
Function	**Project Manager**
Main activities	**Coordination and validation of all project activities: analysis and development, validation/verification, maintenance/operation. Main point of interaction with the client and consortium partners.**
Period	**2003-2007**
Employer	**IPDevel (currently ENEA Romania) – Software development services**
Functions	Software Architect, Lead Developer
Main activities	**Design and development of software solutions Leader of development Management of technical effort and scope**
Period	2000-2003
Employer	**GenPro**, Romania – Developer of industrial control solutions
Function	Software Developer, Solution Architect
Main activities	Design and development of software applications for industrial environments: SCADA, data-logging, industrial networks, process control. Most relevant: an SDS-compatible industrial network stack, operating on Intel 8052 devices, running within a real-time OS developed in assembly and relying on hardware support for CAN communication. Specification based on Honeywell Smart Distributed System. System specification and development.
Period	2000-2003
Employer	Isratech, Romania – IP core developer
Function	Software Developer
Main activities	Design and development of CPU-specific tool-chains (assembler, compiler) for newly designed CPU architectures

Education

Period	2016-2021
Qualification	Parallel and Distributed Computer Systems
Main subjects	Distributed Run-time Environments, Distributed Databases, Transactions, Replication and Consistence, Scheduling and Balancing, Migration of Processes
School	Automatics and Computer Science, POLITEHNICA University of Bucharest, Romania
Level	**Doctoral Degree**
Period	2014-2016
Qualification	Parallel and Distributed Computer Systems
Main subjects	Distributed Architectures, Technologies and Theory Elements
School	Automatics and Computer Science, POLITEHNICA University of Bucharest, Romania
Level	**Master's Degree**
Period	1997-2002
Qualification	Computer Science Engineer
Main subjects	Computer Architectures, Computer Languages, Algorithms, Data Structures, Digital Circuits and Automata
School	Computer Science, Faculty of Electrical Engineering, "Ştefan cel Mare" University of Suceava, Romania
Level	Bachelor Degree
Period	1993-1997
Qualification	Informatics
Main subjects	Algorithms, Data Structures, Programming
School	Informatics High-school
Level	High-school
Abilities	Background in Ground Transport (railway), Energy Transport and Distribution, Smart Mobility Significant expertise in drafting technical documents in English, aimed at both technical and non-technical readers. Consistently successful in development of relationships in multinational environments (skill continuously exercised in the current and all previous workplaces). Preference for informal leadership and promotion of peers. Ability to adjust problem approach from methodical to "outside-of-the-box", as dictated by tactic or strategic priorities.

Methodologies: Agile Software Development, Iterative and waterfall life-cycles
Frameworks, Platforms and Services: Spring, Maven, Jenkins, Sonarqube, Docker, Kubernetes, Cloud Foundry, Spark, Android,
Programming languages: Java, C#, C, C++, SQL, Smalltalk, Pascal, ARM, x51 and x86 assembly, **Markup:** XML, JSON, HTML, CSS, ASN.1,
Modeling: UML, SysML
Architectures & Paradigms: SOA, ESB, Software Design Patterns, Enterprise Architecture and Integration Patterns, SaaS, Paas, IaaS, Serverless and edge-computing architectures, Actor model, Peer-to-peer, Client-Server, OOP, Functional programming, Real-time systems, IoT, etc.

Native language	Romanian

Foreign languages

Self-evaluation

European (*)

English
French
Italian

(*)[European Reference Framework Level](#)

Understanding		Talking		Writing
Listening	Reading	Conversation	Speech	Prose
C2	C2	C2	C2	C2