

CURRICULUM VITAE (CV)

Position Title and No.	Software developer
Name of Expert:	SC ⁱ
Date of Birth:	02.06.1984
Country of Citizenship/Residence	Moldova

Education:

- Technical University of Moldova, Computer Science, Informatics and Microelectronics Graduated 2006

Employment record relevant to the assignment:

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
Dec 2023 present	Ascenta Cloud, Moldova / Software developer & Team lead For references: Sergiu Robu, Director, sergiu.robust@ascenta.cloud	Moldova	Key responsibilities: <ul style="list-style-type: none"> - Analyze, develop, test, and implement complex software solutions - Develop and execute test plans to ensure that systems are functioning per requirements. - Create easy to understand technical documentation for projects completed. - Guide projects through our SDLC from development, to test, and into production environments - Read specifications and provide feedback on areas needing more detail or questions that need to be answered for development to begin - Write extensible code (front and back end) that is well structured, properly documented and is easy to maintain - Work with staff and end users to provide technical assistance in the identification and resolution of application issues - Provide mentoring and training to staff with less experience - Keep up to date on new technologies and tools for software development, testing, implementation, and DevOps - Perform all required administrative duties by completing all necessary reports and promptly and properly documenting activities such as status of schedules, problems, issues, and resolutions or recommendations. Software development skills: <ul style="list-style-type: none"> - OOP and System Design

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			<ul style="list-style-type: none"> - Theoretical knowledge and practical experience with design patterns - Asynchronous and multithreading development (TPL) - Rest API design, architecture, and implementation - Microservices and monolith architectures - Programming: Backend: C#; Golang, Beego, Iris, Echo frameworks; .NET / .NET Core, Entity Framework ASP.NET MVC / Web API; Frontend: ASP.NET Core, JavaScript; CSS/LESS/SASS, Bootstrap, Bootswatch - XML, XSLT, Serialization/Deserialization (XML, Binary, JSON) - Database architecture and optimization including Microsoft SQL/T-SQL - Database languages (SQL, XQuery, SQL/XML, QQL, LINQ) - Microsoft SQL Server, PostgreSQL, My SQL, MongoDB - Caching (Redis), caching via proxy (CloudFlare) <p>Techniques:</p> <ul style="list-style-type: none"> - SOLID principles - Unit Testing, Security Testing, Integration Testing - KISS principle - Dry principle and re-factoring - (SSOT) single source of truth <p>DevOps skills:</p> <ul style="list-style-type: none"> - SVN (GitLab, Bitbucket, Azure DevOps) - CI/CD (Jenkins) - Containers (docker), Kubernetes - Logs & processing: ELK Stack (Elastic search, Logstash, Kibana) - Monitoring (Kibana, Grafana, Prometheus) - Cloud: Azure <p>Business process and data analysis skills:</p> <ul style="list-style-type: none"> - Research skills - Analyze and understand process mapping and detect inefficiencies - Excellent communication skills - Problem-solving abilities
Dec 2020 May 2021	Esempla Systems For references:	Moldova	Assignment 1: Design, development, and configuration of MDelivery Information System

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
And Jan 2023 present	Dorin Gritcan, dorin.gritcan@esemplar.com Ascenta Cloud For references: Sergiu Robu, sergiu.robu@ascenta.cloud		<p>Relevant activities:</p> <ul style="list-style-type: none"> - Performed system analysis, back-end and front-end development, system integration, code review, unit testing - Participated in sprint planning, sprint review, next sprint refinement, daily meetings - Developed software components: authentication and authorization services; work context engine; payment dependences and controller configuration; SOAP service configuration; domain model and required extensions; order confirmation service; notification service implementation; Integration with MNotify, MPass and MPay; Integrate notification service with payment process; Developed delivery orders register; Integration with Nova Poshta service, FAN Courier, MentorExpress and Posta Moldovei; Design reports and export in Excel; Develop JOBs. <p>Technical environment: .NET Core, C#, ASP.NET MVC, Entity framework, Angular, MSSQL, Docker, Kubernetes, Azure DevOps, Agile/Scrum</p>
May 2021 Feb 2023	Esempla Systems For references: Dorin Gritcan, Esempla Systems, dorin.gritcan@esemplar.com	Moldova, Qatar	<p>Assignment 2. Development and implementation of payment gateway information system</p> <p>Position: System architect</p> <p>Relevant activities:</p> <ul style="list-style-type: none"> - Defined the overall system architecture - Selected the appropriate .NET technology stack - Ensured system security by implementing security measures such as encryption and authentication, as well as complying with relevant security standards such as PCI-DSS - Defined transaction types and how they will be handled by the payment gateway, including how authorization, pre-

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			<p>authorization, post-authorization, credits, and voids will be processed</p> <ul style="list-style-type: none"> - Defined error handling and reporting including how the system will notify customers and merchants of failed transactions and how system administrators will be alerted to technical issues - Responsible for overseeing the development process and ensuring that the development team is following the agreed-upon architecture and design principles - Managed technical risks that could impact the project, such as potential performance bottlenecks or security vulnerabilities. <p>Technical environment: .NET Core, C#, ASP.NET MVC, Entity framework, Bootstrap, Angular, MSSQL, docker, Kubernetes, Git, AWS. Agile/Scrum methodology.</p> <p>Team size: 8</p>
Dec 2019 Oct 2020	<p>Esempla Systems, Senior software developer, Integration specialist</p> <p>For references: Dorin Gritcan, director of Esempla, dorin.gritcan@esempl.com</p> <p>e-Governance Agency Igor Bercu, Project manager of e-Governance Agency igor.bercu@egov.md</p>	Moldova	<p>Assignment 3: Design, development, and configuration of MPower information system.</p> <p>Relevant activities:</p> <ul style="list-style-type: none"> - Performed system analysis, back-end development, system integration, code review, unit testing - Participated in sprint planning, sprint review, next sprint refinement, daily meetings - Developed web services for integration with external systems MPass, MSign, MNotify, MLog, MConnect (registers of legal entities and population) - Developed services to provide connection with backend side - Created and performed unit testing using Jest to ensure a code coverage not less than 85%. <p>Technical environment: .NET Core, C#, ASP.NET MVC, Entity framework, Angular, MSSQL, dependency injection framework, docker, Kubernetes, Azure DevOps, Agile/Scrum</p>
Apr 2019 Sept 2020	Pentalog Romania, for leading provider of international	Romania, France	Assignment 4: Building a web application that manages the logistics behind the Olympics business logistics.

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
	<p>hospitality services (under NDA)</p> <p>Software architect, Senior software developer</p>		<p>Relevant activities:</p> <ul style="list-style-type: none"> - Defined the high-level structure of the system, its main components, and their interfaces; interactions of these components with each other and with external systems; and a general architectural vision that served as a basis for mutual understanding between all parties involved in system development - Enabled a HA architecture by ensuring e redundancy, data backup and recovery, automatic failover, and load balancing - Created an Active/active cluster with all nodes being active and handling incoming requests - Developed APIs for an application responsible for offering corporate hospitality management services during Olympic Games - Developed back-end components using DDD methodology, Azure Active Directory, Send Grid email service. <p>Technical environment: C#, .Net, Angular, REST, Swagger, React.js, Microsoft Azure, MSSQL, Docker, Kubernetes, Agile/Scrum, Domain driven design.</p>
Apr 2018 Oct 2019	<p>Endava</p> <p>Team lead, Senior Software developer</p>	Romania	<p>Assignment 5: Risk assessment application</p> <p>Relevant activities:</p> <ul style="list-style-type: none"> - Developed a web application for risk assessment and management for fleets designed for helping brokers - Accountable for managing the development team and processes - Performed requirement analyses - Conducted unit testing using automated unit test frameworks - Reviewed the work of other developers and provided feedback - Accountable for development of components of statistics, reports, diagrams and interoperability form a variety of data sources - Performed unit tests and integration tests and bug fixing. <p>Technical environment:</p>

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			<p>Languages: PHP 8.x</p> <p>Framework: Yii (Yii 2 / Yii 3), MVC + Active Record, Composer (dependency management), Twig/Blade-like templating (if applicable in Yii)</p> <p>Frontend: Angular, Angular Material</p> <p>Databases & caching: PostgreSQL</p> <p>Integration & APIs: REST / OpenAPI (Swagger), OAuth2 / JWT for authentication and SSO</p> <p>Testing: PHPUnit / Pest, Codeception, PHPStan / Psalm, PHP_CodeSniffer / PHP-CS-Fixer, SonarQube / SonarCloud (code quality analysis)</p> <p>CI/CD & DevOps: Jenkins (build/test/deploy pipelines), Docker, Docker Compose, Nginx + PHP-FPM (production), Git (GitLab/GitHub) with QA hooks</p> <p>Architecture & practices: Domain-Driven Design (DDD), modular architecture, Agile/Scrum methodology, code reviews, branching model (GitFlow/Trunk)</p>
Jun 2014 Sep 2015	<p>Pentalog Romania for leading IT&C solutions provider (under NDA), France</p> <p>Software architect and developer</p>	Romania, France	<p>Assignment 6. Development and implementation of new capabilities to a CRM system for marketing automation.</p> <p>Relevant activities:</p> <ul style="list-style-type: none"> - Supervised all aspects related to software programming - Defined the high-level structure of the system, its main components, and their interfaces; interactions of these components with each other and with external systems; and a general architectural vision that served as a basis for mutual understanding between all parties involved in system development - Defined how to collect, store, integrate, manage, and exchange data across multiple external systems and applications that use this data - Selected the technical stack and deployment strategies, roughly estimated needed programming effort - Ensured the incorporation of Skelta BPM within the system and facilitated the workflow configuration, processes monitoring and management and analytics

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			<ul style="list-style-type: none"> - Oversaw the code quality and technical risks - Wrote code but mainly to enforce standards for developers so that such things as scalability, performance, and security will not be missed at the initial stage. - Executed unit and integration testing Technical environment: C#, TypeScript, JavaScript, T-SQL, HTML, ASP.NET, Skelta, Kendo UI, SQL Server 2012, Visual Studio 2013, Team Explorer, MS SQL Management Studio, Agile/Scrum
Jan 2010 Oct 2014	Pentalog Moldova for CERIB (Research Centre for Concrete Industry), France Team lead, Software developer	Moldova, France	Assignment 6: Development of a web application managing certifications (NF and CE markings), inspections and metrology and mobile application for users working in a disconnected mode with a synchronization module. Relevant activities: <ul style="list-style-type: none"> - Led the team which developed a complex authentication module using USB key and backup componentst for the local data - Provided the technical governance of the whole project - Evaluated functional and non-functional requirements - Estimated the needed development effort - Wrote code for integration with external systems - Accountable of the code quality and technical risks - Executed unit and integration testing Technical environment: Visual Studio 2008, .NET 3.5, VB.NET, C#, Oracle 11g, MS Access 2007, Telerik, FOP, PdfCreator, Microsoft Office 2007 (Excel + Word), Waterfall
Nov 2012 Nov 2013	Pentalog Moldova for a software publisher, leader in e-collaborative solutions for various retailer brands Software developer	Moldova, France	Assignment 7: To maintain and develop a suite of applications for distributors to manage their products specifications Relevant activities: <ul style="list-style-type: none"> - Developed back and front-end components by clean and efficient coding

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			<ul style="list-style-type: none"> - Identified, prioritized, and executed tasks in the software development lifecycle - Ensured that software is always up to date with latest technologies - Documented the system during the development phases - Collaborated with the client development team on fixing and improving the system - Performed unit and integration tests - Reviewed and debugged of code <p>Technical environment: .NET 4.0, ASP.NET, ASP.NET MVC 3, WCF, SQL Server 2008 R2, Visual Studio 2010, Team Foundation Server Windows Server 2008 R2, JavaScript, XML, NHibernate, Telerik Controls, jQuery, TFS, Kendo UI, Web API, AngularJS, Waterfall</p>
May 2012 Oct 2012	Pentalog Moldova for Ocea Smart Building, a member company of the Suez Environment group specialized in the engineering of stewardship information management systems Software developer	Moldova	<p>Assignment 8: Mobile application development</p> <p>Relevant activities:</p> <ul style="list-style-type: none"> - Developed a mobile application allowing to access exploited data in reading and afterwards in writing mode, within Web applications developed as well by the Pentalog teams (iOS, iPad, Android) - Developed the graphical modules of the application - Database design and development - Created the XML parsers, View and Navigation controllers - Integration, tests and debugging.
Oct 2010 Nov 2010	Pentalog Moldova Software developer	Moldova	<p>Assignment 9: Development of an internal software tool allowing to manage the entire development process of a project</p> <p>Relevant activities:</p> <ul style="list-style-type: none"> - Performed analysis and translated the business requirements in system specifications - Designed the architecture of the application - Wrote code for back-end components - Executed unit and integration tests and fixed bugs - Accountable of the code quality and technical risks

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			Technical environment: ASP.NET, AJAX, .NET 3.5, NHibernate
Feb 2010 Oct 2010	Pentalog, Moldova for Strator, subsidiary of Altadis group, one of the world leaders in the tobacco industries Software developer	Moldova	Assignment 10: Implementation a solution to optimize the shops sale management Relevant activities: <ul style="list-style-type: none"> - Developed of a software solution for management of sales units. a.Desktop application installed on the cash register in the point of sale; b. Web Strator application installed on a Strator server in an Altadis environment that will be available via Internet as a Web application - Performed the data exchange between applications on the same database by using Web Services. - Analyzed the legacy architecture of several applications - Carried out of the code refactoring - Fixed the problems of adapting the application to 800*600 and 1024*768 resolutions. Technical environment: JAVA, Android, iOS, Windows 7, Objective-C, GIT, JIRA, Visual Studio 2010, SQLite, Entity Framework, C#, WPF, Windows, .NET Methodology Waterfall
Jun 2007 Nov 2009	International software Ltd, Software developer	Moldova	Assignment 11: Provost – a desktop application for the commercial and production management of an industrial company. Assignment 12: Adam – a web application for the management of an insurance company operating in the sea transport field. Assignment 13: GesCom – a desktop application for the commercial management of a French certification and standardization company. Relevant activities: <ul style="list-style-type: none"> - Functional and non-functional analysis - Database design - UI design and development - Testing - Troubleshooting and maintenance

Period	Employing organization and your title/position. Contact info for references	Country	Summary of activities performed relevant to the Assignment
			Technical environment: Windows Forms, Crystal Reports, JavaScript, SQL Server, My SQL CSS, ASP.NET, AJAX, HTML, .NET 3.5, .NET 2.0, PHP, Postgres, Waterfall.

Language Skills (indicate only languages in which you can work):

- Romanian – native
- Russian – advanced
- English – professional proficiency
- French – professional proficiency

Certification:

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience, and I am available, as and when necessary, to undertake the assignment in case of an award. I understand that any misstatement or misrepresentation described herein may lead to my disqualification or dismissal by the Client, and/or sanctions by the Bank.

Sergiu Robu

15.09.2025

Name of authorized

Signature

Date

Representative of the Consultant
(the same who signs the Proposal)

ⁱ Numele complet va fi furnizat Beneficiarului la cerere.