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Sergiu Chilat

| **Personal information** | **Software Architect**
Project Manager |

Technical expertise:

| **Languages and frameworks:** | **Languages & Technologies:**
Programming Languages: Assembler, C++, Java, Kotlin, JavaScript, TypeScript, PHP, GO, HTML, CSS, XML, XHTML.

Frameworks: Laravel, Spring, VueJS, Vuetify, jQuery, Bootstrap.
Administration: Maintenance, Domains, Hosting, BD, Email, DNS and domain configuration. Web server installation and configuration;

Other: Basic knowledge of full circle code delivery (CI)
MVVM, MVP, MVC and other Design patterns.
SOLID, DRY, KISS principles.
Firebase, Gradle, Composer.
Creating of UML diagrams (structural and behavioral).

Databases:
SQL, MySQL, MariaDB, PostgreSQL, SQLite, MongoDB, Redis;
Database configuration, replication and backup management.

Tools:
PHPStorm, VSCode, Git (Github, Gitlab, Bitbucket), Windows, macOS, Linux, Task manager(JetBrains YouTrack, Jira, Trello), OpenServer, Docker, Composer, DataGrip, HeidiSQL, Bash Terminal, SSH, Figma, GoogleDocs, Diagrams.io. |

Professional experience:

| **Position:**
Company:
Period: | **Software architect**
"Power IT" S.R.L.
February 2022 - present |

| **Project Name:** | **Beep24 – special equipment booking web platform** |

| **About the project:** | Vue/Laravel Hybrid Server Side Rendering + Client Side Rendering web application. |

| **Skills and responsibilities:** | **Responsibilities:**
- Creating Application architecture;
    o monolith – main application
    o microservices
- Database design;
- Elaborating technical tasks;
- Creating UML structural diagrams for entities and relations representation;
- Creating UML behavioral diagrams to illustrate workflows;
- Code reviewing. |

Technologies:	- Vue.js and Vuetify for frontend part of CSR application modules; - Blade for frontend part of SSR application modules; - Laravel for backend part (API and Web); MySQL – main database storage; - Redis – application cache; - RabbitMQ – message broker for communication between microservices.

Project Name:	**CRM for Chamber of Commerce and Industry of Republic of Moldova** **February 2021 – December 2021**

About the project:	CRM for workflows and documents management of hospital reception.

Skills and responsibilities:	- Creating monolith Application architecture; - Database design; - Elaborating technical tasks; - Creating UML structural diagrams for entities and relations representation; - Creating UML behavioral diagrams to illustrate workflows; - Code review. -
Technologies:	- Vue.js and Vuetify for frontend; - Laravel for backend API; MySQL – main database storage;

Project Name:	**CRM for Hospital "MRI AND CT CENTER AT SCB"** **February 2021 – August 2021**

About the project:	CRM for workflows and documents management.

Skills and responsibilities:	- Creating monolith Application architecture; - Database design; - Elaborating technical tasks; - Creating UML structural diagrams for entities and relations representation; - Creating UML behavioral diagrams to illustrate workflows; - Code reviewing. -
Technologies:	- Vue.js and Vuetify for frontend; - Laravel for backend API; - MySQL – main database storage; - WordPress – integration of CRM with public WordPress site.

Project Name:	**Digicars - Cars sharing CRM** **March 2021 – October 2021**

About the project:	CRM for car sharing and rental

Skills and responsibilities:	- Creating monolith Application architecture; - Database design; - Elaborating technical tasks; - Creating UML structural diagrams for entities and relations representation; - Creating UML behavioral diagrams to illustrate workflows; - Code reviewing; - Integration with public site.
Technologies:	- Vue.js and Vuetify for frontend; - Laravel for backend API; - MySQL – main database storage.

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Position:	**Software architect**
Company:	**YMK – IT Management**
Period:	**September 2016 - January 2021**

Project Name: Food production management system.

About the project: Food production and warehouses management system.

Skills and responsibilities:
- Creating monolith Application architecture;
- Database design;
- Elaborating technical tasks;
- Creating UML structural diagrams for entities and relations representation;
- Creating UML behavioral diagrams to illustrate workflows;
- Code reviewing;
- Integration with 1C.
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Technologies:
- Vue.js and Vuetify for frontend;
- Laravel for backend API;
- MySQL – main database storage;
- Redis – application cache.

Position:	**Software architect**
Company:	**Private, NDA signed**
Period:	**September 2016 - January 2021**

Project Name: Food products distribution system

About the project: Food products distribution system integrated with food production and warehouses.

Skills and responsibilities:
- Creating monolith Application architecture;
- Database design;
- Elaborating technical tasks;
- Creating UML structural diagrams for entities and relations representation;
- Creating UML behavioral diagrams to illustrate workflows;
- Code reviewing;
- Integration with 1C.
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Technologies:
- Vue.js and Vuetify for frontend;
- Laravel for backend API;
- MySQL – main database storage;
- Redis – application cache.

Position:	**Software architect, Full stack developer**
Company:	**YMK – IT Management**
Period:	**September 2016 - January 2021**

Project Name: Food POS management system

About the project: Food POS management system with food production, warehouses and distribution of products.

Skills and responsibilities:
- Creating web application architecture;
- Creating Android application architecture;
- Database design;
- Elaborating technical tasks;
- Writing algorithms for products prices calculation and applicable discount;

- Creating UML structural diagrams for entities and relations representation;
- Creating UML behavioral diagrams to illustrate workflows;
- Code reviewing;
- Integration with 1C.
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Technologies:
- Kotlin for desktop and mobile Android application;
- Laravel for backend API;
- MySQL – main database storage;
- Redis – application cache.

Position: **Senior Full stack developer**
Company: **"System Capital Management" S.R.L.**
Period: **August 2014 - March 2016**

Project Name: Online booking system and services aggregator for touristic agencies

About the project: Informational system with main features:
- Touristic agency registration;
- Parsing prices from different touristic operators (Excel files, XML files and API);
- Aggregating multiple touristic services (hotel, air transport, transfers, medical insurance) in All-inclusive touristic package;
- Combination and detecting of best prices;
- Avia charter manager;
- Complex permission and roles management;
- Data aggregation and reporting;
- Sales forecasting, etc.

Skills and responsibilities:
- Creating web application architecture;
- Creating parsers architecture;
- Integration of touristic operators API;
- Database design;
- Elaborating technical tasks;
- Writing algorithms for products prices calculation and discount applying;
- Creating UML structural diagrams for entities and relations representation;
- Creating UML behavioral diagrams to illustrate workflows;
- Code reviewing;
- Integration with 1C.
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Technologies:
- Kotlin for desktop and mobile Android application;
- Laravel for backend API;
- MySQL – main database storage;
- Redis – application cache.

Position: **Senior Full stack developer**
Period: **August 2010 – August 2014**

Project Name: Online tickets booking system

About the project: Working as a freelancer and creating architecture, database design, backend and frontend for internet portal.
From 2014 – consulting.

Skills and responsibilities:
- Creating web application architecture;
- Database design;
- Developing;
- Testing.

Technologies:
- PHP for backend API;

- Bootstrap and jQuery for Frontend;
- MySQL – main database storage.

Position:	**Senior Full stack developer**
Period:	**January 2007 – August 2010**

Project Name: Bulletin board and marketplace

About the project: Working as a freelancer and creating architecture, database design, backend and frontend for internet portal.

Skills and
responsibilities:
- Creating web application architecture;
- Database design;
- Developing;
- Testing.
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Technologies:
- PHP for backend API;
- Bootstrap and jQuery for Frontend;
- MySQL – main database storage.

Languages and certifications:

Native language: Romanian (RO)

Foreign
languages:

	Understanding	Speaking	Writing
Russian (RU)	Native	Native	Native
English (EN)	Advanced	Medium	Advanced
Ukrainian (UA)	Advanced	Beginner	Medium
French (FR)	Beginner	Beginner	Beginner

Studies:
2007-2008
Degree: LLM
University: Alecu Russo State University of Bălți
Faculty: Real Science, Economic and Environmental Sciences
Specialty: Database administration

2002-2007
Degree: Bachelor
University: Alecu Russo State University of Bălți
Faculty: Real Science, Economic and Environmental Sciences
Specialty: Mathematics and computer sciences