



Sergio Alejandro Vera Mella

Computer Science Engineer

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Professional Experience

2024-07 – Present

Ingeniería Civil Vicente (ICV)

Position: Full-Stack Developer

Work Experience:

- Front-End Development focused on migrating desktop software to web platforms using React with TypeScript, optimizing the build process with Vite.
- Implemented interactive and responsive UIs with Handsontable, Shadcn, Ant Design, Lucide Icons, and TailwindCSS.
- Zustand library for centralized state management, improving data synchronization and application performance.
- Integrated APIs with Axios, ensuring efficient and secure communication with the Back-End.
- Back-End Development of APIs in .NET Core with C#, using Entity Framework for a stable and scalable data flow.
- Worked with PostgreSQL for data storage and management.

2023-06 – 2024-04

Vibia

Position: Front-End Developer

Work Experience:

- Front End dynamic web applications development featuring 3D user interfaces with React, using Three.js and React Three Fiber libraries.
- Global State management with Jotai to enhance application performance.
- Back End RESTful APIs development with Node-RED low-code platform for fast deploy and integration.
- Comprehensive Unit Testing using Jest along with Test-Driven Development methodology to ensure the reliability and robustness of the software.
- Domain-Driven Design principles to design scalable and maintainable solutions.
- Trunk Based Development methodology with CI/CD practices for agile and seamless deployments.
- Pair Programming sessions following Scrum agile methodology, fostering collaborative problem-solving and knowledge sharing.

2019-03 – 2023-04	Larraín Vial S.A. – Corredora de Bolsa
Position:	Full-Stack Developer and Team Leader
Work Experience:	<ul style="list-style-type: none">• Performing comprehensive project analysis, precise estimation, and efficient task delegation for company projects.• Front End dynamic web applications development with Microsoft .NET, following MVC pattern, using ASP.NET Razor, C#, Ajax, JQuery and Bootstrap.• Back End SOAP Web Services and RESTful API development with Microsoft .NET, using C#, Entity, Dapper, Swagger and LinQ.• High Complexity Stored Procedures development in Microsoft SQL Server.
2017-06 – 2018-02	Grupo HDI
Position:	Software Engineer
Work Experience:	<ul style="list-style-type: none">• Creation of Automation test with HPE Unified Functional Testing (UFT) and VBScript.• Development of Automation tests for websites with Selenium using Java.
2016-06 – 2016-08	Socofin S.A.
Position:	Software Engineer
Work Experience:	<ul style="list-style-type: none">• Migration of FoxPro Services to Windows Services with Microsoft .NET, using C#, VB .NET, LinQ and Crystal Report.• Migration of FoxPro Procedures to Stored Procedures in SQL Server and Oracle DB.
2015-10 – 2016-05	Manager Software S.A.
Position:	Software Engineer
Work Experience:	<ul style="list-style-type: none">• Migration of FoxPro Procedures to Stored Procedures in SQL Server.
2014-06 – 2015-08	Componente Serviex S.A.
Position:	Full-Stack Developer
Work Experience:	<ul style="list-style-type: none">• Front End dynamic web applications development with Microsoft .NET using MVC pattern, ASP.NET Razor, C# and VB.NET.• Back End SOAP Web Services development with Microsoft .NET, using C# and VB.NET.• Stored Procedures, Triggers, and Views development in Microsoft SQL Server.

Professional Education

2013 – 2017 **Computer Science Engineer**

Santo Tomás Professional Institute. Santiago, Chile.

Languages

- **English**

Level 2 with 715 points scored (Level C1 in current TOEFL language test) according to TOEIC (Test of English for International Communication) realized by CORFO Corporation in 2007.

- **Spanish**

Native speaker.