

## Contact

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## Skills

Software Architecture

Software Engineering

Software Development

## Languages

Portuguese

English

# Diego Pereira Silva

**Software Architect Specialist at BV Bank**

Sao Paulo, Brazil

## About

I am a specialist in Solutions Architecture and Software Engineering with over thirteen years of experience in the information technology field, having engaged in various roles encompassing Systems Analysis, Software Architecture, Engineering, and Development.

I possess the following official certifications: AWS Cloud Practitioner, Microsoft Azure Fundamentals, Databricks Generative AI Fundamentals, and Microsoft .NET Professional Specialist.

My expertise is in the design and implementation of Cloud-based Solutions Architectures (AWS, GCP and Azure), event-driven architectures, and microservices-based solutions, employing both relational databases (SQL Server, Oracle, Postgres, Aurora, etc.) and non-relational databases (MongoDB, Cassandra) tailored to business requirements.

Should the solution necessitate additional tools such as Cache (Redis and Hazelcast), Messaging/PubSub (Kafka and RabbitMQ), CDC, ETL, API Gateway, Service Mesh, OpenAPI, STS, OAuth, and similar, I am equipped to integrate them seamlessly.

I am a fervent proponent of Dojos, Guilds, Mentoring, and other platforms for knowledge exchange and professional growth.

I am proficient in programming languages including C#, Java, Python, and ASP.NET MVC.

## Experience

**BV Bank**

**Specialist in Software Architecture**

**August 2023 - Present**

São Paulo, Brazil

I am the technical leader of the software architecture team at BV Bank, overseeing and driving the bank's modernization initiatives, with the following responsibilities:

- Development of high-level system design and architecture that aligns with business requirements and technical constraints;
- Responsible for modernizing integration systems through APIs and Events;
- Tasked with defining Reference Architectures for integration scenarios between internal and external systems of the bank;
- Evaluate and select appropriate technologies, frameworks, and tools based on project requirements, scalability, and maintainability;
- Provide technical leadership and mentorship to development teams;

- Ensure compliance with industry regulations and standards related to security and data protection

**Via Varejo**  
**Principal Software Engineer**  
**November 2022 - August 2023 (10 months)**

Sao Paulo, Brazil

I was responsible for the technical leadership of the Order Management tribe at Via Varejo, one of the largest retailers in Brazil, overseeing and driving its modernization initiatives, with the following responsibilities:

- Lead the design and architecture of mission-critical software systems, ensuring alignment with business goals and scalability;
- Responsible for modernizing the Order Management Systems;
- Create and maintain comprehensive technical documentation, including system architecture, design documents, and coding guidelines;
- Conduct thorough code reviews to maintain code quality, consistency, and adherence to coding standards;
- Conduct training sessions and workshops, contributing to the enhancement of team technical skills;

**Credz**  
**Specialist in Software and Data Architecture**  
**November 2021 - November 2022 (1 Year)**

Sao Paulo, Brazil

I was responsible for providing technical leadership to the software architecture team in the implementation of the new customer origination module at Credz, as well as making enhancements to existing systems, with the following responsibilities:

- Development of system design and architecture that aligns with business and technical requirements;
- Work closely with project managers to align technical goals with project timelines and OKR's;
- Define and implement data-based architecture and modernization of legacy systems;
- Evaluate and select appropriate technologies, based on project requirements, scalability, and maintainability;

**Itau Unibanco**  
**Senior Software Architect**  
**December 2018 - November 2021 (3 Years)**

Sao Paulo, Brazil

At Itaú, I served as a software architect responsible for designing solutions for the modernization of legacy systems, leading the Change Data Capture and Cache enablement project. My responsibilities included the following:

- Implement the design and architecture of end-to-end solutions, ensuring alignment with business objectives and scalability;
- Responsible for modernizing the bank's financial systems in alignment with best architecture patterns;
- Stay informed about emerging technologies and trends to ensure the use of the latest and most effective solutions;
- Ensure documentation was accessible and understandable to both technical and non-technical stakeholders;

**HiperStream – Suzano Group Company**  
**Developer's Team Coordinator**  
**May 2017 - December 2018 (1 year and 8 months)**  
 Sao Paulo, Brazil

As the development team coordinator, I was responsible for leading a team of 6 developers, with the following responsibilities:

- Lead and motivated a development team, fostering a collaborative and innovative work environment;
- Coordinate and managed project timelines, ensuring deliverables met quality standards and were completed within deadlines;
- Conduct code reviews to maintain code quality and consistency;
- Conduct thorough testing and validation to identify and address potential issues;
- Mentor and orientate team members, providing guidance on technical and professional development.

**HiperStream – Suzano Group Company**  
**Senior Software Developer**  
**November 2015 - April 2017 (1 year and 6 months)**  
 Sao Paulo, Brazil

Senior software developer, accountable for the development and implementation of systems for the company's primary client, America Móvil (NET, Claro, and Embratel), with the following responsibilities:

- Lead the design and development of complex software solutions using Microsoft .NET technologies;
- Implemented scalable and efficient code, adhering to best practices and coding standards;
- Utilize frameworks such as ASP.NET MVC, Web API, and Entity Framework for seamless integration;
- Design and optimized databases using Microsoft SQL Server, ensuring data integrity and efficient query performance;
- Develop and maintain RESTful APIs for seamless integration with third-party applications.

**SKY Brasil****Senior Software Developer****August 2013 - November 2015 (2 years and 4 months)**

Sao Paulo, Brazil

Senior software developer, responsible for the Service Order Management and Sales systems of SKY products, with the following responsibilities:

- Implement the design and development of software solutions using Microsoft .NET technologies;
- Implement scalable and efficient code, adhering to best practices and coding standards;
- Design and optimized databases using Microsoft SQL Server, ensuring data integrity and efficient query performance;
- Develop and maintained RESTful APIs for seamless integration with third-party applications.

**Sofhar****Senior Software Developer****December 2011 - August 2013 (1 year and 9 months)**

Sao Paulo, Brazil

Senior software developer, working on-site at PRODESP, where I was responsible for handling projects for the client CDHU, with the following responsibilities:

- Implement the design and development of software solutions using Microsoft .NET technologies;
- Implement full-stack development, including server-side logic, database design, and client-side scripting;
- Implement efficient queries and procedures using Microsoft SQL Server;
- Develop and maintained soap APIs for seamless integration with third-party applications;

**CPM Braxis Capgemini****Software Developer****May 2011 - December 2011 (8 months)**

Sao Paulo, Brazil

Software developer, working on the project for the development of school integration systems for SESI, with the following responsibilities:

- Implement the design and development of software solutions using Microsoft .NET technologies;
- Implement full-stack development, including server-side logic, database design, and client-side scripting;
- Implement efficient queries and procedures using Microsoft SQL Server;
- Develop and maintained soap APIs for seamless integration with third-party applications;

**FCamara Consulting & Training**  
**Junior Software Developer**  
**January 2011 - Abril 2011 (4 months)**  
Sao Paulo, Brazil

Principal responsibilities:

- Implement the design and development of software solutions using Microsoft .NET technologies;
- Implement full-stack development, including server-side logic, database design, and client-side scripting;
- Implement efficient queries and procedures using Microsoft SQL Server;
- Develop and maintained soap APIs for seamless integration with third-party applications.

**Senior Solution**  
**Internship Software Developer**  
**January 2010 - December 2010 (1 Year)**  
Sao Paulo, Brazil

Internship Developer, with the following responsibilities:

- Implement the design and development of software solutions using Microsoft .NET technologies;
- Implement efficient queries and procedures using Microsoft SQL Server;

## **Education**

**UNOPAR – University Norte do Paraná**  
**Postgraduate in Software Engineering, Information Technology**  
**(October 2022 - May 2023)**  
Sao Paulo, Brazil

**UNINOVE - University Nove de Julho**  
**Technologist in Information Systems Management, Information**  
**Technology**  
**(January 2008 - December 2009)**  
Sao Paulo, Brazil

## **Licenses and Certificates**

**AWS Certified Cloud Practitioner**  
**Amazon Web Services**  
**(June 2021)**

**SCRUM Foundation Professional Certificate**  
**Scrum Foundation**  
**(June 2020)**

**Microsoft Azure Fundamentals**  
**Microsoft**  
**(July 2019)**

**MCTS - Data Access with Microsoft .NET Framework 4**  
**Microsoft**  
**(August 2011)**

**MCTS - Web Developer with Microsoft .NET Framework 4**  
**Microsoft**  
**(June 2011)**

**MCTS Windows Communication Foundation Framework 4**  
**Microsoft**  
**(March 2011)**

## **Volunteer experience**

**Mentor**  
**Reciclar Institute**  
**Education, Science and Technology**  
Sao Paulo, Brazil

Complimentary mentoring for young individuals from underserved communities, offering guidance and counseling to facilitate their entry into the information technology job market.

<https://reciclar.org.br/>

**Mentor**  
**PROA Institute**  
**Education, Science and Technology**  
Sao Paulo, Brazil

Complimentary mentoring for young individuals from underserved communities, offering guidance and counseling to facilitate their entry into the information technology job market.

<https://www.proa.org.br/>

**Mentor**  
**TheFemTech**  
**Education, Science and Technology**  
Sao Paulo, Brazil

Mentoring focused on the inclusion of women in the information technology job market.

<https://thefemtech.com/>