

## Contact

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(LinkedIn)  
[github.com/adornetejr](https://github.com/adornetejr) (Portfolio)

## Top Skills

Enterprise Architecture  
API Management  
Architectural Design

## Languages

Espanhol (Limited Working)  
Português (Native or Bilingual)  
Italian (Elementary)  
Inglês (Native or Bilingual)

## Certifications

EF SET Certificate  
Certified Linux Administrator  
(LPIC-1)  
Kubernetes and Cloud Native  
Associate (KCNA)  
Brazil Research Data Network  
Project (RDP)  
Health Hackthon - University  
Hospital - Ebserh FURG

## Honors-Awards

Most Valuable Player

## Publications

Acesso aberto a dados de pesquisa  
no Brasil: Dataverse: documentação  
de instalação do Shibboleth para  
autenticação institucional

Acesso aberto a dados de  
pesquisa no Brasil: Archivematica:  
documentação de instalação no  
CentOS

Implementação de serviço de email  
baseado em Software Livre

# Adornete Martins Jr

Specialist Platform Engineer @ WEX | Enterprise Architecture |  
PaaS | DevSecOps | API Gateway | Cloud Infrastructure Expert  
Porto Alegre, Rio Grande do Sul, Brazil

## Summary

Experienced software engineer with 14+ years of technology background, developing and launching systems as products. I have a strong expertise in Cloud Computing, DevSecOps and Cloud Native applications that helps me lead project roadmaps using Agile methodologies. Proven track record driving software as a product with innovation and growth, CI/CD optimization, higher systems availability and customer conversion rates. Enabling business transformation increasing revenue through user retention, software design and developer experience with platform golden paths. My leadership profile advocates and collaborates with business stakeholders to define architectural standards, design new patterns, mature proof of concepts and transform MVPs into full fledged products for the Fintech ecosystem. I'm highly motivated by the challenge of solving complex problems and sharing my discoveries, driven by a passion of enhancing my skills and knowledge delivering value to my peers. See below the projects to which I have already contributed.

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## Experience

### WEX

2 years 8 months

#### Specialist Software Engineer

January 2025 - Present (1 year 3 months)

Portland, ME

Architected and deployed a globally distributed Active-Active API Gateway solution using Google Cloud Apigee X and Global Load Balancers, ensuring 99.999% availability and robust edge security for mission-critical payment systems.

Engineered a custom Terraform Provider from scratch using Go (Golang) to automate secure resource provisioning, abstracting complex API interactions

Acesso aberto a dados de pesquisa no Brasil: avaliação e seleção na curadoria de dados de pesquisa

Acesso aberto a dados de pesquisa no Brasil: Dataverse: documentação de configuração do armazenamento elástico compatível com S3.

into declarative infrastructure as code to significantly reduce developer onboarding time.

Implemented infrastructure modernization of core security services to meet PCI-DSS 4.0 standards, designing and executing Blue/Green deployment strategies for zero-downtime upgrades in strictly regulated cloud environments.

Orchestrated a strategic observability migration from proprietary tools to an open-standard stack using Grafana and Prometheus, implementing "Dashboards as Code" to unify metrics across hybrid-cloud systems and optimize operational costs.

Designed advanced traffic management strategies for Amazon EKS clusters using Istio Ingress Gateways and Active-Active DNS routing, enabling seamless failover and canary deployments across distributed availability zones.

### Senior Software Engineer

August 2023 - January 2025 (1 year 6 months)

Portland, Maine, United States

Defined and maintained enterprise wide architectural standards for a Fintech Ecosystem across multiple cloud environments, prioritizing scalability, security, and observability.

Designed and deployed new prototypes, reference examples, and proofs of concept to optimize WEX platform services and systems.

Advocated for and collaborated with business stakeholders across multiple Lines of Business and Partners to mature MVPs into fully-fledged products.

Produced and validated reference architecture implementations to promote design patterns and best practices, accelerating product innovation and business process optimization.

Created technical documentation, blog posts, and demos to simplify and enhance the developer experience with appealing paved roads across various vertical segments (corporate payments, mobility, benefits).

Driven global onboarding for paved roads like AuthN, Tokenization, API Gateway, API Documentation and Developer Portal acting as a technical

liaison between product teams and WEX enterprise architecture, facilitating developer based improvements.

Researched and evaluated emerging technologies to identify meaningful patterns, trends and propose solutions that advanced the team and company.

## POA Software

4 years

### Senior Software Engineer

January 2021 - December 2022 (2 years)

Porto Alegre, Rio Grande do Sul, Brazil

Optimized system design converting monolithic infrastructures to cloud native applications on AWS Cloud.

Designed and implemented CI/CD pipelines to automate software delivery and reduce deployment time.

Built an observability pipeline to improve the visibility of logs, identify bottlenecks and increase system scale.

Implemented performance optimizations to ensure high availability of containerized applications.

Developed automated scripts for system administration tasks and troubleshooting.

Collaborated with development teams to improve software quality and reliability, design and implement scalable systems architecture.

### Software Engineer

January 2019 - December 2020 (2 years)

Porto Alegre, Rio Grande do Sul, Brazil

Developed and maintained distributed cloud native applications, ensuring scalability, reliability, and security.

Successfully crafted and scaled landing pages and APIs to handle 20,000 active users during product launches.

Collaborated with cross-functional teams to implement new features pivotal for the product using Agile methodologies.

Conducted code reviews on different programming languages with feedback to improve code quality.

Manipulated and analyzed large datasets with million entries through custom APIs, that enhanced customer relationship and systems (CRM) integration.

Applied business strategies to optimize conversion rates (CRO) throughout the customer relationship process, ensuring ongoing engagement.

### CNPq

Data Researcher | Scientific Scholarship  
March 2020 - August 2021 (1 year 6 months)

Brasília, Federal District, Brazil

Conducted in-depth analysis of the editorial process for monographs, leveraging expertise in Open Journal Systems (OJS) 3, a leading open access journal publishing software used by over 30,000 journals globally.

Developed a publishing pipeline for the editorial process of monographs using Open Monograph Press (OMP).

Developed and implemented an innovative monograph review system software to streamline and digitize the publishing process at EDGRAF.

Collaborated effectively with the Information Management Group (GINFO) at C3/FURG, EDGRAF, and with support from CNPq to ensure the successful integration and implementation of the monograph review system.

Contributed to academic research by authoring and submitting a research paper to the 12th Luso-Brazilian Conference on Open Science (CONFOA-2021) held in Portugal, focusing on the insights gained from the project and its implications for open science.

### RNP

Data Researcher | Scientific Data Network (RDP Brazil)  
March 2019 - February 2020 (1 year)

Brasília, Federal District, Brazil

Developed and implemented an open repository of open data in the Information Management Research Group (GINFO).

Built scripts and CI/CD pipeline using the open source repository software Dataverse to deploy the service in the in university dataframe servers.

Researched and enabled a Federation of repositories build across multiple federal universities with SAML and the The Shibboleth Project, that is among the most popular identity management systems for academic institutions and identity federations

Collaborated with researchers from the Federal University of Rio Grande do Sul (UFRGS), Federal University do Rio Grande (FURG), and the National Education and Research Network (RNP) as part of the RDP-Brasil project.

Studied the practices and perceptions of Brazilian researchers regarding open access to research data (CAREGNATO et al., 2019).

Validated technologies to build a federation of research data repositories, addressing the needs of the entire Brazilian academic community (PAVÃO et al., 2018).

FAPERGS - Research Support Foundation of the State of Rio Grande do Sul

Data Researcher | Scientific Scholarship

March 2018 - February 2019 (1 year)

Porto Alegre, Rio Grande do Sul, Brazil

Conducted a comprehensive study on machine learning principles, investigating a wide range of techniques and their impact on algorithm performance.

Evaluated the efficacy of Ensemble, Boosting, Bagging, Cascading, and Stacking methods through real-world use cases, demonstrating their potential benefits in various domains.

Prepared a detailed research report summarizing findings and insights, contributing to the broader understanding of machine learning methodologies.

Successfully defended the research report at the prestigious University Production Show at FURG 2018, gaining validation from a panel of experts.

Top Telecom

IT Support Specialist

November 2012 - February 2016 (3 years 4 months)

Implemented and managed Active Directory environments using Windows Server, including GPO management and network administration. Reduced downtime by 20% through proactive network maintenance.

Configured and supported ADSL and wireless networks, ensuring optimal connectivity and performance. Successfully migrated the company to a cloud-based infrastructure, resulting in cost savings of 15%.

Proficient in hardware repair, recovery of electronic devices, and restoration of electrical circuits. Skilled in SMD and BGA soldering techniques. Achieved a 95% first-call resolution rate for hardware-related issues.

Provided comprehensive technical assistance for a variety of devices, including cell phones, smartphones, computers, notebooks, tablets, monitors, power sources, and wired/wireless phones.

Received consistent positive feedback from customers for excellent problem-solving and communication skills.

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## Education

Stanford University

Specialization, Machine Learning · (March 2021)

Federal University of Rio Grande

Bachelor, Computer Engineering · (February 2017)

Federal Institute of Education, Science and Technology Sul-Rio-Grandense

Information Systems, Information Technology · (January 2012)