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Top Skills

.NET Core
Web Services API
Apache Kafka

Languages

Inglês (Native or Bilingual)
Português (Native or Bilingual)
Espanhol (Professional Working)

Certifications

MCPS: Microsoft Certified
Professional
MS: Programming in HTML5 with
JavaScript and CSS3

Danilo Gomes

Senior Backend Engineer | Designing & Stabilizing Business-Critical
Systems at Scale

São Paulo, São Paulo, Brazil

Summary

Senior Software Engineer with 11+ years of experience building and stabilizing business-critical backend systems, including complex, high-volume platforms in regulated environments.

I specialize in working with legacy-heavy and distributed systems where correctness, performance, and data integrity are non-negotiable. My work often involves diagnosing hard-to-reproduce issues, untangling fragile business logic, and evolving existing platforms into more reliable and scalable architectures without disrupting production.

I have hands-on experience designing and improving microservices, optimizing data-intensive workflows, and increasing system observability and test coverage to support safe, predictable releases.

Beyond coding, I frequently act as a technical reference for teams —helping clarify business rules, reduce operational risk, and make architectural decisions that balance delivery speed with long-term maintainability.

Core strengths:

- Business-critical backend systems
- Distributed systems & data integrity
- Performance optimization & reliability
- Legacy system modernization
- Technical leadership & ownership

Experience

Truelogic Software
Principal Software Engineer
May 2024 - Present (1 year 9 months)
United States

Principal Software Engineer in the Healthcare industry, focused on building and improving large-scale, high-performance backend systems. I work across the full lifecycle of complex distributed platforms—debugging legacy behavior, stabilizing mission-critical workflows, and designing modern, scalable solutions that support high-volume data processing.

My work combines strong technical execution, system-level thinking, and a focus on performance, reliability, and data integrity.

Core Responsibilities

Modernizing legacy systems by migrating complex business rules to modular microservices, improving maintainability while ensuring functional parity.

Optimizing performance across high-volume services by identifying bottlenecks, improving throughput, and reducing latency.

Reproducing and fixing deep, hard-to-diagnose issues to ensure accuracy and predictable system behavior.

Expanding automated test coverage (unit, integration, scenario-based) to reduce regressions and support safe, fast deployments.

Developing internal tools and automation that accelerate QA, investigations, and engineering workflows.

Supporting cross-functional teams, clarifying business rules, and contributing to architectural decisions.

Key Improvements

Increased processing reliability and performance by stabilizing critical high-volume workflows and resolving major bottlenecks.

Improved data accuracy and consistency across distributed components by correcting legacy issues that caused inconsistent outputs.

Enhanced engineering efficiency through stronger test automation, refactoring fragile logic, and creating tools that reduced manual effort.

Shape

Engineering Manager

February 2023 - May 2024 (1 year 4 months)

São Paulo, Brazil

Engineering Manager in the Energy & Industrial sector, leading two cross-functional squads responsible for internal platforms used by MODEC's global operations. Managed backend, frontend, and data engineers while improving delivery performance, engineering quality, and collaboration across Brazil and Singapore.

Leadership & Responsibilities

Implemented Agile practices, Continuous Delivery, and DORA metrics, enabling predictable delivery and clearer visibility into code quality and team performance.

Coached engineers who later advanced to Senior roles; acted as bar raiser in hiring for backend, frontend, data, and leadership positions.

Maintained constant communication with MODEC's MOPS team in Singapore, ensuring alignment with international stakeholders.

Major Deliveries

IMS Platform (Performance & Project Modules):

Delivered microservice-based modules with micro front-end architecture, reducing critical request times from 3 minutes to under 10 seconds.

Internalized the IMS Project from an external consultancy by mapping the system and defining a clear roadmap, rebuilding client trust.

DCT Platform (Overall, Engineering, Construction & Claims):

Rebuilt key modules with improved reliability, performance gains, and unit test coverage.

Consolidated decentralized pipelines by migrating them to Apache Airflow.

Engineering Impact

Started the first unified initiative for backend unit testing.

Standardized processes with Agile rituals, engineering metrics, and continuous delivery workflows.

Improved operational stability and reduced fragmentation by reorganizing pipelines and modernizing data flows.

This role strengthened my ability to scale teams, improve engineering processes, and deliver high-impact systems through modern architecture, strong leadership, and business alignment.

XP Inc.

4 years 9 months

Software Engineering Manager

February 2021 - January 2023 (2 years)

Engineering Manager responsible for leading squads that maintained and evolved the end-to-end workflow for corporate registration within XP's ecosystem. My role focused on team performance, delivery quality, process optimization, and cross-functional communication with business and technical stakeholders.

Leadership & Responsibilities

Managed multidisciplinary squads, ensuring predictable delivery and operational stability of a critical onboarding workflow for corporate clients.

Conducted 1:1s, mentoring, coaching, and career development (PDI) to support individual growth and improve team maturity.

Led conflict resolution, alignment rituals, and expectation management across engineering, product, and compliance areas.

Used technical and behavioral indicators to guide decisions, improve flow efficiency, and enhance team accountability.

Maintained clear and objective communication with leadership, stakeholders, and parallel squads to reduce friction and improve coordination.

Process & Delivery Improvements

Introduced structured performance metrics and engineering KPIs to track delivery pace, quality, and reliability.

Strengthened team autonomy through better prioritization practices, clearer ownership, and well-defined responsibilities.

Improved engineering cadence by refining Agile ceremonies and implementing continuous feedback loops.

Ensured consistency and compliance across the corporate registration workflow, reducing errors and operational rework.

People Development

Coached team members to take on greater responsibilities, supporting promotions and skill advancement.

Created a safe environment for feedback, helping directs and peers handle communication challenges, resolve conflicts, and improve interpersonal effectiveness.

This experience strengthened my skills in people management, stakeholder alignment, performance metrics, and leading squads responsible for critical business workflows in a highly regulated environment.

Senior Software Engineer

May 2018 - February 2021 (2 years 10 months)

São Paulo Area, Brazil

XP Investimentos is a great investment company, I worked in the Squad Customer Service, where we developed integration with Chatbots. Our team were responsible for maintaining integrations and developing integrations with CRM, such as Salesforce.

The technologies and patterns that we used are:

- Microsoft Azure
- Redis
- Service Bus
- .NET Core
- RESTful API

- Git / Git Flow
- Oracle Database
- MongoDB
- Node.js
- API Gateway
- Angular 6 / 9
- React & Redux
- Styled Components
- BEM
- SOLID Principles
- DDD
- TDD
- Docker
- Kubernetes
- Azure DevOps
- Apache Kafka
- Rabbit MQ
- Zero MQ

Comigo Saúde

Engineering Lead

March 2018 - December 2018 (10 months)

São Paulo e Região, Brasil

In this company I acted as DevOps and Tech Lead.

A company in the field of health innovation, with the aim of improving people's lives.

We use the agile SCRUM methodology to organize our tasks and deliver them more efficiently and effectively

In this company I work with the technologies:

- .NET
- SQL Server
- Amazon Web Services (AWS)
- REST
- Gulp
- API
- Swagger

- API Gateway
- AWS CodeDeploy
- Azure DevOps Pipelines

Neon

Software Developer

November 2017 - May 2018 (7 months)

São Paulo e Região, Brasil

Neon is a company where there are challenges and opportunities to learn new technologies.

The technologies I used on Neon are:

- Web API
- REST
- Swagger
- .NET / C #
- .NET Core
- Dapper
- Razor
- RabbitMQ
- Javascript / CSS / HTML and front end in general
- Git
- Git Flow
- SQL
- NodeJS
- Redis
- NoSQL

I worked in two squads in Neon, were: Credit and PJ, in both faced several challenges as: integrations with partners, internal integrations, refactoring legacy code for a more productive and less dependent, dealing with a team in which there is no leader and having to do this role in a certain way, integration testing etc ...

We use the agile SCRUM methodology, thus working with sprints, having a P.O to set the priority respecting the sprint scores.

SOLLIS - Soluções Integradas à Saúde Ltda.
Software Developer

October 2016 - November 2017 (1 year 2 months)

São Paulo e Região, Brasil

Responsible for the development of internal systems.

Coordinating also third party development

Front-end and back-end development of systems, using:

- .NET
- Ruby on Rails

Using the Visual Studio Development Tool

Using the agile SCRUM methodology

Using Git version control system

Akttom Sistemas

Software Developer

August 2014 - October 2016 (2 years 3 months)

São Paulo e Região, Brasil

Responsible for the development of internal and external systems;

Front-end and back-end development using the frameworks, platforms, technologies and tools:

- BackboneJS
- RequireJS
- jQuery
- ASP.NET MVC
- .NET
- VanillaJS
- SASS
- Bootstrap
- Razor
- JSON
- GruntJS
- GulpJS

Using the REST methodology for WebServices and WebAPI development

Using Team Foundation Server (TFS) version control system

Using the Visual Studio development tools

Mobile development using the Apache Cordova / Phonegap framework

Avansys Tecnologia

Intern

May 2014 - July 2014 (3 months)

Salvador e Região, Brasil

Responsible for the development of the SERIGY application;

Development using the frameworks: JSF 2.0, Hibernate, Arquillian, JUnit and JSP;

Development on the Java Enterprise Edition platform (Java EE);

Experience with the Maven, JBoss, PrimeFaces, EJB, AJAX, Javascript, jQuery and JPA tools;

Using version control Subversion (SVN)

Education

Ibmec

Master of Business Administration - MBA, Business Administration and Management, General · (July 2021 - August 2022)

Uninove - Universidade Nove de Julho

Bachelor of Technology - BTech, Computer Science · (January 2014 - December 2018)

Etec - Escola Técnica Estadual de São Paulo

Técnico em Informática, Informática · (2012 - 2014)