

Contact

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Top Skills

GitHub

Leading Development Teams

Technical Project Leadership

Languages

Ingles (Full Professional)

Português (Native or Bilingual)

Certifications

Java EE: Design Patterns and Architecture

Amazon Web Services Developer - Associate

Reactive Programming with Java 8

M220J: MongoDB for Java Developers

Apache Spark Essential Training: Big Data Engineering

Danilo De Castro

Senior Engineering Manager | Tech Leader | AI enthusiast |
Technology passionate

Brazil

Summary

Accomplished Senior Engineering Manager with over 14 years of experience in software development, specializing in backend Java engineering and software engineering management for the past three years. Adept at leading diverse, high-performing teams and delivering complex projects across multiple domains including banking, fintech, and retail. Proven expertise in Java (full stack), Python, and Kotlin, with extensive experience in using frameworks and tools such as Spring Boot, Hibernate, Docker, and AWS services. Strong advocate for TDD and DDD clean code principles, focusing on best practices for coding and designing robust, scalable solutions. Demonstrated ability to introduce and foster an AI-first mindset within teams, encouraging innovation and experimentation with new technologies. Skilled in various architectures, including MicroServices, REST, SOAP, Monolith, and Serverless. Native Portuguese speaker with advanced English proficiency.

Experience

Target

3 years 10 months

Senior Engineering Manager

August 2022 - January 2025 (2 years 6 months)

United States

- GenAI Initiatives: Spearheaded the adoption of AI-first engineering practices, driving GenAI initiatives that fostered innovation and empowered teams to embrace AI technologies.
- Platform & API Development: Partnered closely with Product teams to design and deliver stable, reliable platforms and APIs, ensuring seamless integration and high-quality solutions.
- Hiring & Team Diversity: Led the hiring process to attract and onboard top-tier talent, focusing on building an inclusive and diverse team. Ensured a fair and inclusive recruitment process, contributing to a diverse pool of candidates.

- Team Leadership & Mentorship: Actively mentored and coached engineers, fostering their career development and growth. Conducted learning sessions to elevate team knowledge and capabilities.
- Collaboration: Built strong, collaborative relationships with product partners across multiple organizations to align engineering initiatives with business goals and product vision.
- Hands-On Leadership: Embraced a leadership-by-example approach, stepping in whenever needed to address challenges, meet deadlines, and overcome team shortages. Acted as a technical mentor to help engineers unlock their full potential.
- Motivational Support: Provided ongoing motivation and guidance to team members, maintaining high levels of morale and engagement through challenging times.

eMIP Sr Engineering Manager

April 2021 - August 2022 (1 year 5 months)

United States

- Leadership in eMIP Curriculum: Led the engineering team through the eMIP curriculum, mentoring less experienced engineers and guiding them in solving complex technical challenges.
- API Design & Implementation: Designed and developed robust, scalable REST APIs using Spring Boot, ensuring high-quality, maintainable code and adherence to best practices like TDD, DDD, and SOLID principles.
- Collaboration & Partner Engagement: Organized and led meetings with upstream and downstream partners to align on contract changes, ensuring effective communication and seamless integration across teams.
- Architecture Contributions: Actively contributed to architecture meetings, providing insights on design decisions and collaborating on system improvements to ensure technical excellence and scalability.
- Mentorship & Problem Solving: Took ownership of complex technical problems, offering mentorship and guidance to engineers while ensuring timely and high-quality solutions.

Mphasis

Java Technical Leader (Contractor at JPMorganChase)

September 2019 - April 2021 (1 year 8 months)

Greater Chicago Area

- Microservices Development: Led the implementation of microservices using Spring Boot RESTful services, driving the architecture and development of scalable, high-performance solutions.

- Feature Development & Maintenance: Developed new features and performed bug fixes for production code and upcoming releases, ensuring smooth operation and timely delivery of updates.
- Code Quality & Review: Managed the final code review and merge process for all code changes, ensuring adherence to best practices, Test-Driven Development (TDD), and passing all quality gates. Ensured comprehensive business logic coverage with meaningful tests.
- API Contract Design: Designed and maintained API contracts, ensuring clear specifications for integration and seamless communication between services.
- Mentorship & Leadership: Provided mentorship and leadership to a 6-person offshore team, guiding them through technical challenges, ensuring high standards of work, and fostering a collaborative team environment.

EPAM Systems

Sr Software Engineer/Tech Leader (Contractor at Mastercard)

November 2018 - September 2019 (11 months)

O'Fallon MO

As a technical leader, I'm responsible for making critical technical decisions, analyzing complex problems, and delivering high-quality solutions through effective technical design and timely execution. My key contributions include:

Code Quality: Delivering clean, maintainable code while adhering to best practices and clean code principles.

Testing Coverage: Ensuring both new and legacy code are thoroughly covered by meaningful, high-quality tests to maintain reliability and stability.

Code Review: Conducting detailed code reviews to ensure adherence to coding standards, quality, and best practices.

Team Collaboration & Mentorship: Actively contributing to the scrum team by providing technical support, mentoring engineers, and offering innovative ideas to improve team performance and problem-solving.

Grid Dynamics

Offsite Team Leader & Java Back-End Developer | Trade Corrections Project (Contractor Raymond James)

April 2018 - October 2018 (7 months)

Kraków Area, Poland

As the leader of the offsite team and the primary Java back-end developer for the Trade Corrections project, I was responsible for delivering high-quality technical solutions and driving the back-end development of the project. My key responsibilities included:

Problem Solving: Analyzing and providing solutions for complex technical challenges to ensure efficient and effective outcomes.

API Design & Implementation: Modeling, designing, and implementing RESTful web services APIs for UI consumers, ensuring seamless integration and functionality.

Decision Making: Leading the design and implementation decisions for APIs, ensuring scalability, reliability, and performance.

Code Review: Conducting thorough code reviews to ensure adherence to coding standards, best practices, and quality guidelines.

Quality Code Delivery: Delivering high-quality code, ensuring compliance with SonarQube rules and maintaining a strong focus on maintainability and performance.

Luxoft

Software Developer (Contractor at UBS)

2017 - March 2018 (1 year)

Kraków e Região, Polônia

As a Software Developer at Luxoft, working as a contractor for UBS, I was responsible for delivering high-quality code and adhering to best practices. My main tasks included:

Quality Code Delivery: Writing clean, maintainable code following industry best practices such as Uncle Bob's Clean Code principles.

Code Review: Conducting thorough code reviews to ensure adherence to coding standards and improving code quality across the team.

Agile Collaboration: Collaborating effectively with the team, following Agile methodologies to deliver timely and high-quality solutions.

Testing Practices: Writing unit, integration, and behavior tests following Test-Driven Development (TDD) and Behavior-Driven Development (BDD) principles to ensure robust and reliable code.

NIIT Technologies

Technical Leader | SR Java Developer | NIIT Technologies Brazil

January 2015 - April 2017 (2 years 4 months)

São Paulo e Região, Brasil

I started as a Senior Java Developer and have since evolved into the role of Technical Leader, managing a diverse, multicultural team of developers. As the only Brazilian on the Brazil team, my main responsibilities include:

Technical Leadership: Leading a team of developers, guiding them through complex technical challenges, and ensuring high-quality deliverables.

Development & Analysis: Performing in-depth analysis, designing solutions, and developing robust, scalable applications.

Client Coordination: Collaborating with clients to understand requirements, provide technical guidance, and negotiate timelines and expectations.

Team Management & Mentoring: Managing a multicultural team, mentoring junior developers, and fostering a collaborative and growth-oriented environment.

Wipro Technologies

Software Engineer

June 2013 - January 2015 (1 year 8 months)

Curitiba e Região, Brasil

As a Software Engineer at Wipro Technologies, I worked on the MasterCard In Control project, contributing to various development tasks. My main responsibilities included:

Java Development: Performing bug fixes, implementing new features, and enhancing existing solutions to ensure seamless functionality.

Solution Design: Proposing and implementing new solutions or better approaches to improve system performance and user experience.

International Collaboration: Collaborating with an international and multicultural team based in Malaysia, Dublin, and the US, ensuring effective communication and project coordination across regions.

Consórcio Esteio Indra

SR Software Engineer

September 2012 - April 2013 (8 months)

Curitiba e Região, Brasil

As a Software Engineer, I was responsible for managing the SGI system and driving key development activities. My main responsibilities included:

System Management & Bug Reporting: Managing the SGI system, identifying and reporting bugs, and ensuring timely resolution to maintain system integrity.

Requirement Analysis & Solution Proposals: Analyzing new requirements, proposing innovative solutions, and suggesting enhancements to improve system performance and user experience.

App Development: Developing web and mobile applications, including RESTful web services, to meet business needs.

Database Management: Extracting and managing data from SQL Server and MySQL databases to ensure accurate and efficient data handling.

Technologies & Methodologies: Utilized a variety of technologies such as JEE, JavaScript, JSF, Android, REST, Maven2, Hibernate, SQL, and TDD to deliver high-quality solutions.

TIVIT

Main Programmer | HSBC URA Digital Project

December 2011 - September 2012 (10 months)

Curitiba e Região, Brasil

As a key member of the HSBC URA Digital Project, I was responsible for driving technical development and ensuring that solutions met client needs. My main responsibilities included:

Client Interaction & Requirement Gathering: Leading meetings with clients to gather requirements and ensure alignment on project goals and deliverables.

Web Services Development: Developing HTTP-based web services and web applications to enhance the client's call log management system, making it more user-friendly and efficient.

System Design & Implementation: Designing and implementing solutions using technologies such as JEE, JavaScript, REST, WSDL, SQL, JDBC, Maven2, Spring, and WAS.

Development Tools: Utilizing Rational Application Developer IDE to build, test, and deploy high-quality solutions.

GVT

Test analyst and Java Developer

March 2010 - November 2011 (1 year 9 months)

As a Test Analyst and later a Java Developer, I contributed to ensuring software quality and development within the team. My key responsibilities included:

Test Analysis & Execution: Creating and executing black-box software tests, identifying bugs, and reporting them for timely resolution.

Test Case Creation: Designing and documenting test cases to ensure comprehensive test coverage and software quality.

Java Development: After six months, I was promoted to Java Developer within the Service Level Management Team, where I contributed to development tasks and collaborated with cross-functional teams to enhance software performance.

Education

FIAP

Postgraduate Degree, AI for Dev · (December 2024 - December 2025)

UnisulVirtual

Associate's degree, Computer Software Engineering · (June 2010 - December 2013)