

# Felipe Ruppel

*Brazilian, born 16<sup>th</sup> August 1987*

*“Take your best rhyme. Outdo it.*

*Now do it a thousand times.”*

*~Eminem*



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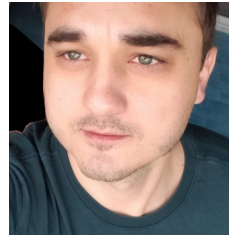
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## ABOUT ME

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As a Senior Software Engineer, I love to crack new challenges while learning new things along the way. With more than 10 years of experience, I believe that to become a great developer you should always strive for maintainability and performance while coding but being a team player and having sharp communication skills are also vital.

## SKILLS

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### Languages

**Portuguese:** Native Language

**English:** Full Professional Proficiency

### Technical Expertise

#### **Programming Languages**

Java, Javascript, SQL, PL/SQL, Bash. Notions of Kotlin, Scala and Groovy.

#### **Frameworks**

Spring, Spring Boot, Spring Cloud, Spring Data, Hibernate, JPA, JUnit, Mockito, Selenium, JQuery, Angular.

#### **Tools and Services**

Oracle Database, Maven, Gradle, Ansible, SSH, Splunk, GIT, Docker, Kafka, Mongo DB, Bamboo.

#### **Methodologies**

REST, Agile, SCRUM, TDD, BDD.

#### **Operational Systems**

Linux, Windows.

# EXPERIENCE

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## Senior Software Engineer – Encora / Duetto

*December 2022 – Present*

*About Duetto:*

*Founded in 2012, our solutions address the biggest problems faced by the hospitality industry by simplifying distribution complexity and optimizing profitability with unique and powerful applications that increase conversion, guest loyalty, operational efficiency and revenue. Our goal is to become the most trusted, effective and widely used hotel technology company in the world.*

### **Projects**

Integrations – The integrations team is responsible for the core of Duetto's application. It is responsible for ingesting and normalizing data from different sources into the Duetto ecosystem.

### **Tasks**

Reviewing and analyzing existing code to identify bugs, vulnerabilities, or areas for improvement.  
Refactoring and optimizing code to improve performance and maintainability.  
Identifying and addressing code smells and anti-patterns.  
Collaborating with other team members to understand new feature requirements.  
Designing and implementing backend functionalities according to specifications.  
Ensuring new features integrate smoothly with the existing codebase.  
Investigating and diagnosing reported issues to identify root causes.  
Developing fixes and patches to resolve bugs and prevent regression.  
Writing unit tests to validate bug fixes and prevent future occurrences.  
Working with legacy code to make incremental improvements and adaptations.  
Gradually modernizing legacy components to align with current best practices.  
Documenting and communicating changes made to legacy code for transparency.

### **Tools and Methodologies**

Java 11, Spring, Agile methodologies, TDD and Clean Code principles, GIT, Mongo.

### **Key Achievements**

The codebase presents a notable level of complexity and depth. Upon joining the company, I encountered a unique circumstance where previous developers had transitioned elsewhere, leaving our support resources limited. I invested considerable effort in delving into a critical segment of the system, previously not comprehensively understood by the team. After an intensive exploration, I successfully delivered an informative presentation to my colleagues, offering a precise breakdown of its workings. Furthermore, I proposed strategies to enhance the clarity and maintainability of the code, contributing to its overall refinement.

## Senior Software Engineer – EPAM

*October 2021 – October 2022*

*About EPAM:*

*EPAM is a leading global provider of digital platform engineering and development services founded in 1993. Since then it has expanded geographically (Today present in more than 40 countries), as well as extended its core engineering capabilities to include business consulting, design, and physical product development. EPAM has been at the forefront of some of the most exciting technology-led transformations in the industry, and the story continues into today's modern age of agile delivery, big data, machine learning, and AI.*

## **Projects**

The client is one of the Biggest Investing Banks in Switzerland. Within this client, I have worked on 3 different projects.

TOPS – It is a tool for managing, and scanning all databases within the bank to make sure the bank is complying with GDPR.

TUM – This tool is used for the management and assignment of test users to be used across the whole IT department.

FtaaS – File Transfer as a Service, is a tool used for the creation, maintenance, and schedule of file transfers between servers.

## **Tasks**

Contribute to the success of our customer projects.

FullStack development.

Develop new product functionality, technical analysis, effort estimation.

Maintenance and improvement of legacy code.

Work in close cooperation with customer representatives.

Senior colleagues are encouraged to manage individual teams on technical grounds and closely adhere to the deadlines and report to the Project Managers.

## **Tools and Methodologies**

Java 8, Javascript, Angular, Agile methodologies, TDD and Clean Code principles, GIT, GIT Lab, Oracle and Postgres.

## **Key Achievements**

On the client's side, I am responsible for two major internal tools, TOPS, and TUM.

At the bank, there is this policy of never storing clients' data in lower environments to comply with GDPR rules. TOPS is responsible to scan all internal databases and identify data that could not be by such rules. This system has several workflows, one of which is responsible to archive data that was already analyzed. When I joined the team this workflow was broken, and because of that, we had one of our tables reaching about 4.5 billion records. It was causing problems with the tablespace and overall performance issues. I have not only fixed the archive workflow but also greatly improved its performance. Before it was taking 6 days to archive about 50 million records, after some refactoring we were able to process 600 million records in about 8 hours. After about two months, we went down from 4.5 billion to about 200 million active records in that table. This had a great impact on the performance of the application in general. After this successful refactoring case, I was allowed to take a similar approach to TUM. TUM was created to manage and allocate test user certificates, and it is also a legacy tool with several issues. Using TDD, I have slowly improved the test coverage and level of confidence to refactor big chunks of code. While doing it could identify and fix several minor issues that the client was complaining about for some time.

On EPAM's side, I am embracing new challenges as a Resource Manager. In this new position I am responsible for managing, and mentoring junior/mid-level java developers that do not necessarily work on the same project as I do.

## **Senior Software Engineer – Directpl / Tacton**

*April 2021 – September 2021*

*About Tacton:*

*Tacton was born in 1988 doing pioneering research in the application of Artificial Intelligence to solve industry challenges. Today the company is headquartered in Stockholm, Sweden, and Chicago, Illinois with customers and resellers across the globe. From working with the most advanced manufacturers in the world Tacton has accumulated over 20 years of*

*unparalleled expertise. Gartner has recognized Tacton CPQ as a "Visionary" vendor for manufacturers.*

### **Projects**

Tacton CPQ – CPQ (Configure, Price, Quote) software accelerates sales and delivers an enhanced customer experience enabling them to buy across all channels. I am part of the 'Team 3', which is responsible to maintain and develop the core of CPQ software.

### **Tasks**

Work on both frontend and backend portions of the system.

Development of new features.

Support and maintenance of legacy code, making improvements, and small refactoring exercises when applicable.

Adoption of best practices and internal frameworks.

### **Tools and Methodologies**

Java 8, Java 15, Javascript, Agile methodologies, TDD and Clean Code principles, GIT, GIT Lab, MySQL, Docker.

At this project, we have a policy to keep external dependencies as minimal as possible. So we have in-house built-in frameworks to manage Rest Calls and Dependency Injections.

## **Senior Software Engineer – Nordea**

*May 2019 – April 2021*

*About Nordea:*

*Nordea Bank Branch in Poland with divisions in Poland and Estonia represents Nordea Group in Poland. The Branch provides the Group with comprehensive solutions for IT as well as supports Nordic Business Units in processing financial services.*

### **Projects**

Adapters: In the adapters teams we must develop and maintain integrations between trading systems and the other banking systems. Also, migrate away from legacy systems towards an event-driven infrastructure.

### **Tasks**

Develop in Java 8, using our continuous delivery framework.

Working in an agile development team, using scrum methodology.

Developing the integration points between front office technologies and the rest of the bank.

Taking an active role in the design process including working with our architecture team.

Managing the software development lifecycle, including bug fixing and implementing new features.

Taking an active role in the Quality Assurance process, including developing automated tests.

Working closely with development, integration, and analyst colleagues across the organization.

### **Tools and Methodologies**

Java 8, Spring Boot, Microservices Architecture, Event-driven Architecture, Agile methodologies, TDD and Clean Code principles, GIT, Gradle, Oracle DB, Bamboo, Ansible.

### **Key Achievements**

Using bash script I was able to automate the release process within our team, we have about 8 microservices where the entire release process could take from 30 to 60 minutes each. Using bash script I was able to reduce the release process down to 5 mins at most, including git-flow for versioning, bamboo build, artifactory deployment, and confluence page creation for each release.

Implementing the first CI/CD solution within the team, I am taking advantage of tools like Gradle, Ansible, Docker, and Bamboo to have an automated pipeline to build and deliver the latest app versions for each environment (Dev, UAT, PreProd, and Prod)

Refactoring of legacy code to improve maintainability and take advantage of modern tools and programming standards.

Second place at Nordea's Hackathon - 2021. In this edition, we had more than 20 teams competing for 3 days to deliver innovative solutions themed on Automation. My team has developed a Kotlin based tool to integrate Helix, Microsoft Teams, Jira, and Confluence. The idea was to automate manual steps around release and deployment procedures, saving time and facilitating cooperation between dev and ops teams. We used to have a manual procedure that was taking up to 45 minutes every time we needed to promote new code to production. With our tool, we have successfully reduced it to just a few seconds. In our estimations, if we scale up this across the 100+ teams in the Nordea IT department we would save an average of 48 man-months per year. The simplicity vs potential gain of this idea secured us second place in the competition.

## **Senior Software Engineer – GFT / Toyota Bank**

*October 2018 – April 2019*

*About GFT:*

*GFT started in the Black Forest in Germany in 1987, and since then is growing to become a trusted sector specialist for the international financial industry.*

### **Projects**

Toyota Bank/New Front – This project came up to support Toyota Car Sales. We are building an application to integrate the Toyota WebSite with the sales system in each store.

To accomplish our objectives, we are using Agile methodologies, Microservices architecture, and Clean code principles alongside TDD. The main technologies are Java 8, Spring Boot, Kafka, Redis and Mongo DB, and Azure Platform as a cloud computing solution.

### **Tasks**

I'm the main backend developer, and I have to participate in the whole development life cycle. Work with architects and stakeholders during the conception and elaboration of new Stories. Propose best practices during the coding phase, and use git-flow to manage git repositories.

### **Tools and Methodologies**

Java 8, Spring Boot, Microservices Architecture, Agile methodologies, TDD and Clean Code principles, GIT, Kafka, Redis, Mongo DB, Docker.

## **Tech Leader – Wipro**

*January 2018 – October 2018*

*About Wipro:*

*Wipro is a leading global information technology, consulting, and business process services company. Since day one I have been working on the Mastercard project. When I started it had about 40 folks working for this client, now we are more than 200 and this number keeps growing every month. Last year we won the Wipro's award 'Best account in South America'.*

### **Projects**

VASSWAT Brazil – Team leader of the Brazilian part of the BizOps Team.

Microservices Initiative – We are anticipating the customer needs and training our teammates in this architecture model.

Support Platform – We are building this restful platform using the microservices architecture, and this has some distinct objectives. Some modules are KPI generator, MSR Automatization, and Ticket Analyzer.

### **Leadership Tasks**

Define and plan team goals and objectives.  
Lead the team in the development of technical and soft skills.  
Provide training sessions to decrease possible knowledge gaps inside the team.  
Find ways to improve and maintain client satisfaction. Ensure team quality delivery.  
Manage team bank of hours and allocate resources.  
Ensure team compliance with all Wipro and Customer policies.  
Manage team members in order to avoid internal attrition.  
Recognize internal talents.  
Represent team interests in meetings with superiors.

### **Technical Tasks**

Keep the team up to date with the Wipro technical expertise demands.  
Design, build and test innovative solutions.  
Keep the repository organized.

### **Key Achievements**

The Team doubled in size under my watch. 3 new billable positions.  
Implementation of Metrics.  
Star of the Month to one of my colleagues.  
My Wipro manager tried to move me out to assume a new position inside of the organization. But the customer refused to let me go.

## **Senior BizOps Engineer – Mastercard**

*January 2018 – October 2018*

### **Projects**

VASSWAT – Team of specialists, where the major responsibility is to find root causes and suggest the best possible solution for bugs and errors that other teams were not able to fix.

### **Tasks**

Be a production Research Arm, Act like an Interface between Development and Operational teams.  
Troubleshooting.  
Gathering requirements.  
Participating in meetings with partners, customers, product owners, and dev teams.  
Make sure documentation and user guides are up-to-date and accurate.  
Work closely with product owners, business analysts, and dev teams to understand the business rules, and compare with what the guide says and what the code is doing.  
Find code bugs, and propose the best solution.  
Data analysis to identify bad data conditions.  
Write data manipulation scripts to fix bad data in lower and production environments.  
Participate in CAB meetings to defend the change we are going to make in the Prod environment.  
Supporting other teams.  
Mentoring new team members.  
Providing and organizing training sessions.

### **Key Achievements**

Customer constantly recognizes my work due to my agility and quality of deliveries.

## **Senior Software Engineer – Wipro**

*September 2016 – December 2017*

### **Projects**

MSR – Monthly Status Report, this is a platform where all Wipro co-workers have to report their activities and time spent on it during the month. This report is then used by the managers to report overall Wipro performance to the customer.

Test Automation Initiative – Participating and providing training in the test automation area

Splunk Training – Introduce Wipro colleagues to Splunk usage.

Development of internal tools.

### **Tasks**

Build internal tools.

Automatization of manual tasks.

Mentoring junior folks.

Replacing the team leader in his absence.

### **Key Achievements**

Automatization of MSR – Saving up to 6 hours per month from the team.

I have identified some gaps and proposed some innovations on the team:

Implementation of some Agile Techniques.

English Day.

Training Sessions.

Received the award of Star of the Month.

Sometime after I got a Job Promotion.

## **Full Stack Java Developer – Wipro / Mastercard**

*October 2014 – September 2016*

### **Projects**

Smart Data Next Generation (SDNG) – The smart data project is a portal where customers can manage, control, and extracts valuable information from Corporate Credit Cards. It supports expenses approvals workflow, expenses report, and also custom reporting process. There is a whole hierarchy chain in it, for both entities and users levels going from cardholders to issuers. Some examples of MasterCard's clients using it is CITIBANK, Bank of America, and Barclays.

Time Tracker – An internal tool to track and manage resources' time. Allocation time in each project, Days off, and vacations for each resource.

Test Automation – Automation of manual test cases. I had a really quick experience with this project. was starting to learn how test automation works when I was asked by the customer to be part of a new team that they were creating.

### **Tasks**

Development of new features for each release (SDNG).

Bug fixes.

Participate in Agile meetings (Daily Scrum Meetings, Planning sessions for Next Sprint,

Retrospective Meetings).  
Delivery project demands on time and with high standards of quality.  
Run demo sessions for the client.  
Share knowledge.  
Test coverage.  
Architecture Design (Time Tracker).  
Data Modeling (Time Tracker).  
Java development.  
Gathering requirements.  
Mentoring Juniors Co-workers.  
Automate Test Cases.

### **Key Achievements**

Moved out of the team to assume the first leadership role.  
The Customer asked for me to be moved back to the team.  
The Customer has personally indicated me to take over a new challenge on a new team SWAT.

## **Software Developer – Global Village Telecom (GVT)**

*January 2012 – September 2014*

*About GVT:*

*GVT has born in 2000, with a growth rate of 30% a year, it has quickly assumed the leadership of the communications segment in my State. It was a very innovative and competitive company. The first in the market segment to implement the IPTV. Its history ended in 2015 when the brand has been sold to the Spanish Company 'Telefonica' for the amount of US\$ 9,3 billion.*

### **Projects**

Agility – My employer was buying a new service desk system. The Agility Project should make the transition to the new system as smooth as possible, and work with contractors to make all the necessary adjustments to bring the new system to our company's reality.

Resource Manager – An internal application developed from scratch to manage resource allocation. It was possible to easily see on which task each resource was working and when he would be available. It had access control, user levels, Timelines, and Charts.

Service Desk Auto Service – We had tons of forms that internal customers used to use to request services from other teams or notify issues. Some of them were really simple, a JSP page that calls a servlet. But we had a bunch that was considered "Smart Forms". With complex business rules within it, using JavaScript they should direct the customer to open the correct request. The idea was to prevent the wrong request was made to the wrong team.

Portal Support 2.0 – A refactored platform to support thousands of Forms of user requests.

ControlF2 – A big internal application that was used for monitoring, reporting, and proactive fixing of known bad data conditions. It was used in many ways, but the general idea was to find issues before the final client notices those issues. Among the features were, default reporting, and default alarms that could be scheduled to run, and also custom ones, that could be configured to proactive fixes using custom jars.

### **Tasks**



Systems integration.  
Designing and developing modules of our form's platform.  
Database design.  
Application architecture design.  
Backend Development.  
Frontend Development.  
Refactoring.  
Developing and implementation of new features.  
Maintenance of the ControlF2 application and its environment.

### **Key Achievements**

ControlF refactoring.  
ControlF from more than 4000 alarms to around 600 in less than 6 months.  
Delivery of Resource Manager application. This System was designed and developed from scratch by me and helped not only my manager, but all managers under my director to manage their resources easily.  
Support the implementation of the CA Service Desk system.

### **Trainee – Global Village Telecom (GVT)**

*November 2010 – December 2011*

### **Projects**

Member of the Integrators team.

### **Tasks**

Systems integration.  
Maintenance of test environment.  
The first trial of issues found by testers. Determine if it was a code bug or an environment issue.

### **Key Achievements**

The trainee program had a duration of 2 years, but I got hired in almost half of this time.

### **Tools**

Putty, Jira, Linux, Basic Linux commands.

### **Computer Technician – Condor Super Center Ltda. – Curitiba, Brazil**

*September 2009 – October 2010*

*About Condor:*

*Condor is one of the biggest Super Market brands in my state. Back in the time that I have worked there, they were opening about 4 new stores per year.*

### **Tasks**

Provide remote support to branch stores. Generate pricing load. Format and prepare machines (Linux and Windows) to be sent to the branches. Generate reports to help managers with decision-making.

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## EDUCATION

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Jan 2013 – Dec 2013

### **Specialist in Oracle Data Base Administration, IT**

#### **FESP – Faculdade de Ensino Superior do Paraná**

I had technical and administrative training specialized in the treatment of data and knowledge bases, aimed at professional adaptation to market needs and providing knowledge and skills necessary for configuration, maintenance, diagnosis, and solution of common problems in the database.

Jan 2010 – Dec 2012

### **Degree in System Analysis and Development, IT**

#### **Faculdade OPET**

Development and maintenance of systems in Java (JSE, JEE, JME) and Microsoft .NET / C #, using object-oriented analysis (UML), relational databases (Oracle, DB2, PostgreSQL, SQL Server, and MySQL.)

Create Internet applications using standards, frameworks, and language for web development (JSF, JSP, JSTL, HTML, XHTML, XML, JavaScript, and jQuery).

Manage, analyze and implement solutions involving advanced components for application servers (JBoss, Tomcat, WebSphere, and Oracle Application Server).