

RODRIGO RIQUE

Senior Software Engineer

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SUMMARY

- Seasoned Software Engineer with 20+ years of experience in various industries, including financial, credit card, payments, e-commerce, transport, real estate and health.
- Main technologies include Java, Python, Back-end, API, and Cloud technologies.
- Currently serving as a Senior Software Engineer at Benefitter focused on the development of rates and quotations applications for health insurances.
- Usually described by co-workers as a very proactive team player who fosters innovation, creates collaborative work environments, mentors less experienced colleagues, and enhances teamwork and communication with a strong focus on achieving results.
- Proficient in Agile methodologies with a passion for code quality, unit testing, design patterns and SOLID principles.
- Demonstrates strong adaptability and a quick mastery of new technologies and methodologies, even when working remotely.

SKILLS

- **Proficient:** Java, Spring Boot, Backend, RESTful API, Python, Django, FastAPI, Git, SQL, Oracle, MySQL, Postgres, Derby, JavaScript, JQuery, Scrum, Kanban, Jira, Trello
- **Intermediate:** AngularJS, Vue.js, AWS, Jenkins, Docker, CI/CD
- **Beginner:** Ruby, Go, React, SonarQube, Redis, RabbitMQ, MongoDB

WORK EXPERIENCE

BENEFITTER (San Francisco, CA – USA, Remote)

Senior Software Engineer (11/2022 – Present)

A subsidiary of UnitedHealthcare, develops an easy-to-use technology that automates quoting, underwriting, and enrollment of health insurance plans for small businesses.

- Developed and maintained Java-based backend systems with a focus on rates and quotations, ensuring robust and efficient handling of health insurance data.
- Up to 80% improvement in processing time achieved through expertly managing REST API communications to gather and process numerous requests, optimising data retrieval and processing workflows with parallelism and caching techniques.
- Contributed significantly to the development of the Vue.js frontend and Ruby/MongoDB backend, integrating them via APIs with the Java-based rates and quotation application.

iDid (Rio de Janeiro, RJ – Brazil, Remote)

Senior Software Engineer | Back-end (08/2022 - 11/2022)

Payment platform that mimics in-store credit card presence in e-commerce transactions

- Developed features in Python with Django within an agile team, leveraging expertise in credit card payment systems.

FACILY (São Paulo, SP - Brazil, Remote)

Senior Software Engineer | Back-end (07/2021 - 10/2022)

Social commerce merging online shopping with social interaction and digital media experience.

- Designed and coded backend of seller-admin module with robust RESTful APIs using Python and FastAPI, with a PostgreSQL database, all running in Docker containers.
- Emphasised code quality through extensive unit test coverage and thorough pattern verification using SonarQube, achieving 100% code coverage in automated tests.

DOCK (São Paulo, SP - Brazil)

Senior Software Engineer (08/2011 - 06/2021)

APPI (later Muxi), an innovative and pioneering company in credit card acquiring solutions, including POSWEB technology—a browser for POS machines—and muxiPLACE for remote updates of the terminal devices. Acquired by Dock in 2021.

- Achieved a 75% reduction in software and infrastructure costs by centralising POS app updates on muxiPLACE, consolidating the need for separate manufacturer platforms into a single solution.
- Enhanced maintainability, deployment efficiency, scalability, flexibility, and resilience by transforming a Struts / JSP monolithic application into a microservices architecture with RESTful APIs (Java / Spring backend and Angular frontend).
- Collaborated closely with the largest credit card acquiring companies in Latin America, such as Cielo, Rede, and Fiserv, to enhance the process of updating POS terminal applications, leading to an average reduction of over 90% in physical terminal replacements in stores.
- Implemented engineering best practices like TDD, enforced code standards through tools like Checkstyle, SpotBugs, and PMD, and conducted thorough code reviews. Additionally, established continuous integration using Jenkins and GitLab CI/CD.
- Attained over a 70% improvement in application download times by spearheading the development of intricate features, including file zipping/patching with resume downloads.

RioCard (Rio de Janeiro, RJ - Brazil)

Software Engineer (03/2009 - 07/2011)

Ticketing solutions for public transportation in the state of Rio de Janeiro

- Sales and administration sites of RioCard using Java, Struts, Spring and iBatis with DB2 database running on WebSphere web server.
- Front-end development of the top up application of transport cards in Javascript / jQuery.

Muxi (former APPI) (Rio de Janeiro, RJ - Brazil)

Software Engineer (05/2004 - 12/2008)

Credit card and payments solutions

- Specification and development of electronic payment applications for credit card acquirers, such as the V32 application for Cielo, which reduced certification time by over 50% due to its consistent behaviour across different POS brands.

SUMMARY OF EARLY EXPERIENCE

- From 1997 to 2004, gained valuable software development experience. At iClass Consultoria, developed sales applications for PDAs and web applications in Java. During an internship at UFRJ COPPETEC, maintained Borland Delphi components for the Brazilian Navy. At Imovel-on, contributed to real estate portal sites using ASP, SQL Server, and IIS. Earlier, at Montreal Informática, worked on fingerprint identification projects using Visual C++ and Visual Basic, followed by graphic computing and web development at UFRJ / NCE / LabMA using C++ Builder, OpenGL, and Visual C++.

EDUCATION

- Bachelor in Computer Science (2002) - Universidade Federal do Rio de Janeiro
- Sun Certified Java Programmer 5.0 (2006) - SCJP 310-055
- Advanced English degree Cultura Inglesa - Brazil