RICARDO M. IANELLI

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SOFTWARE ENGINEER

Efficient Software Engineer with more than 2 years of hands-on experience designing and implementing backend components for complex technical solutions. Strategic team member who increases team efficiency by developing new organizational flows and enhances application deployment by completing projects on time despite challenging guidelines. Skilled in using technologies such as Java, C#, RESTful, .NET, Spring / Spring Boot, MySQL, PostgreSQL, Docker, AWS, and Selenium.

Software Development Life Cycle • Backend • Project Management • Testing / Troubleshooting
Development / Implementation • Java Programming • Data Structures and Collections • Algorithms

Languages: C#, Java, Python
Web Services: AWS, REST
Web App: Apache Tomcat
Frameworks: .NET (Framework / Core), Spring, Spring Boot, JPA, Hibernate, Mockito, Selenium
Databases: MySQL, PostgreSQL, DynamoDB
Design Patterns: Factory, Abstract Factory, Strategy, Command, Builder, Flyweight, Observer, Singleton, Façade, Adapter, Proxy, Interceptor
SDLC: Agile / Scrum, TDD, RUP, Kanban
Tools: Maven, GitHub, IntelliJ, Postman, Docker, StarUML, Trello, Asana

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PROFESSIONAL EXPERIENCE

CAREER NOTE: *Completed on-campus studies and currently taking distance education courses to complete a* ***Master's Degree in Computer Science*** *(Available for full-time, W-2 employment).*

STONE CO LTD., Rio de Janeiro, Brazil • 2019-2021
Leading provider of financial and payment technology solutions.

Software Developer
Contributed to backend software design and implementation for numerous development solutions, including development of 2 major products for loan management. Integrated software components and 3rd-party programs using RESTful Services.

- Prepared clean, robust, and efficient code with C# and Python.
- Developed automated tests and performed troubleshooting and debugging.
- Deployed programs and systems and upgraded existing software.
- Completed complex projects on time despite challenging deadlines and regulations from The Brazilian Central Bank.
- Enhanced persistence efficiency by recommending changes to move load from database system to application, providing additional resources.
- Maximized team efficiency by developing organizational flow to manage multiple tasks, scheduling, and time limits.

Technologies Used: *C#, Python, .NET Core, .NET Framework, PostgreSQL, SQL Server, Git, Docker, Azure, Google Cloud Platform, Postman, Selenium.*

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ACADEMIC PROJECTS

Project Annapurna, MIU (2022): Idealized, designed, and developed dinning management service using Microservices architecture. ***Technologies Used:*** *Java, Spring Boot, Spring AOP, MySQL, Git, Maven, Asana, JSON, RESTful Web Service, JPA / Hibernate, Swagger, JWT, SMTP, Microservices.*

Registrations System, MIU (2022): Streamlined development of backend components for Web Service capable of managing users and courses. ***Technologies Used:*** *Java, Spring Boot, PostgreSQL, Git, Maven, Heroku, JSON, RESTful Web Service, JPA / Hibernate, Swagger.*

AWS Serverless Architectures, MIU (2022): Designed, developed, and deployed serverless services in AWS Cloud for studying purposes. ***Technologies Used:*** *Python, C#, Git, AWS Lambda, Amazon EC2, Amazon S3, Amazon VPC, AWS IAM, Amazon SQS, Amazon SNS, Amazon RDS, MySQL, AWS CloudFormation, AWS CDK, Amazon CloudWatch, Amazon Cognito, Docker, Amazon DynamoDB.*

Personal Website, MIU (2022): Architected and deployed website with frontend and backend fully in AWS Cloud. ***Technologies Used:*** *Python, Git, AWS Lambda, Amazon S3, AWS IAM, Amazon SQS, Amazon SNS, Amazon DynamoDB, Amazon Route 53, Amazon CloudFront.*

PERSONAL PROJECTS

Reflection Deep Object Comparator, 2022: Performed object deep comparison implementation using reflection, especially useful for comparations in multiple inheritances and / or to compare private fields. ***Technologies Used:*** *Java.*

Algorithms Comparator, 2022: Implemented simple algorithm comparator to include algorithms and compare running times against several different input sizes and boundaries. ***Technologies Used:*** *Java.*

Csv Splitter, 2021: Designed simple Python script with user interface to split large CSV files into smaller files. ***Technologies Used:*** *Python, PySimpleGUI.*

EDUCATION

Master of Science in Computer Science
(In progress via distance education; expected completion June 2024)
Maharishi International University, Fairfield, Iowa

Key Courses: Fundamental Programming Practices, Modern Programming Practices, Software Engineering, Algorithms, Cloud Computing, Enterprise Architecture

Bachelor of Science in Physics
Instituto Federal Fluminense, Rio de Janeiro, Brazil