

Rodrigo Broggi

SOFTWARE ENGINEER ·

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Education

Politecnico di Milano

MSC MATHEMATICAL ENGINEERING - EMPHASIS ON SCIENCE COMPUTING

Milan, Italy

Set 2012 - Dec 2014

Escola Politécnica da Universidade de São Paulo

MSC MECHANIC ENGINEERING

São Paulo, Brazil

Jan 2008 - Dec 2014

Skills

DevOps Docker, Jenkins, Git, Kubernetes, OpenShift

Programming C++, Java, Kotlin, Go, Bash, Python

Security HSM (Hardware Security Module), openSSL

Monitoring Splunk, Prometheus, Grafana

Languages Portuguese, Italian, English, French

Experience

Amadeus - Payments

SOFTWARE ENGINEER

Sophia-Antipolis, France

Feb. 2019 - Now

- Design, Implement, Maintain payment security applications, specially within PCI-DSS standard scope.
- Automate CI/CD pipelines using Jenkins in a containerized environment (Docker).
- Create monitoring dashboards using Splunk, Prometheus, Grafana for application operability.
- Maintain and develop application hosting services for cryptographic operations relying on HSMs.

UniCredit - Financial risk

SOFTWARE ENGINEER

Milan, Italy

May. 2015 - Feb. 2019

- Design, Implement, Maintain and Operate application responsible for bank counterparty credit risk computation.
- Optimize resources usage by leveraging on multiprocess/multithreaded distributed application.
- Build tooling for result analysis and application troubleshooting.
- Work in the frontline with the client to generate/collect requirements and handle the full application life-cycle.

Undergraduate Research - Universidade de São Paulo

RESEARCHER

São Paulo, Brazil

Mar. 2011 - Sep. 2017

- Research in fluid mechanics field.

Certifications & Scholarships

Oracle Certified Professional

JAVA SE 8 CERTIFICATION

Milan

Jan 2018

- Exam outcome: (90/100)

Oracle Certified Associate

JAVA SE 8 CERTIFICATION

Milan

Dec 2017

- Exam outcome: (97/100)

Academic excellence scholarship

DOUBLE DEGREE PROGRAM

Milan - São Paulo

Jul. 2012 - Dec. 2014

- Scholarship for double-degree program worth € 20,000

Hobbies

- Outdoors sports, surf, guitar