

## Contact

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## Top Skills

Java

Kubernetes

Python

## Languages

Portuguese (Native or Bilingual)

English (Native or Bilingual)

## Certifications

Introduction to Engineering  
Mechanics

CAE - Certificate in Advanced  
English

Certified Scrum Professional (CSP)

Vaadin 8 Certified Developer

## Honors-Awards

Certificate for the course of  
"Introduction to Engineering  
Mechanics"

Graduate of Information Systems  
and Computer Engineering

## Publications

Adaptive Q-Sort Matrix Generation:  
A Simplified Approach

# Bruno Oliveira

Software Developer at Software Improvement Group (SIG)  
Amsterdam

## Summary

Experience with the overall Software Development Lifecycle (SDLC) and working using agile methodologies.

Check my technical blog posts: <https://dev.to/brunooliveira>

My blog on code quality: <https://bruno-oliveira.github.io/quality-software/>

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## Experience

Software Improvement Group (SIG)

Software Engineer

May 2019 - Present (2 years 4 months)

Amsterdam, North Holland, Netherlands

- Developed and owned a custom CI integration using Docker, Testcontainers, Airflow, and Python to allow our customers to integrate Sigrid into their pipelines to ensure code quality on every commit. Worked end-to-end from the database design to Airflow Python DAGs as well as the Java integration tests to ensure the correctness of the overall solution.

- Developed a standalone service packaged as a Docker image to compute the SIG quality ratings for a code delta: Leveraged the SIG code graph model to operate only on changed or new code.

- Provided support for leveraging CDK8s as the means of using Kubernetes to spin up ephemeral test environments to test changes functionally.

- Maintaining the CI/CD pipeline running and healthy, increase our test automation and keep coverage above 80%

- Drove the effort on creating technical internal documentation to document technical solutions and onboarding new team members.

- Allowed SIG to run partial code analysis on-site for customers who could not disclose their source code outside of their premises. Did this by ensuring that a suitable Serialization/Deserialization Java process was in place by using Jackson's custom serializers and deserializers.

## Anju Software

### Software Engineer

November 2018 - April 2019 (6 months)

Antwerp Area, Belgium

Working in the development of web applications to be part of the large ecosystem at Anju Software. Server-side rendered Java based applications, Database management and query optimization.

- Wrote Java-based standalone applications like a semantic search style application that worked on tablets so it could be showcased to researchers and doctors in conferences like SCOPE.
- Revamped old applications by enhancing their functionalities and working with designers to redesign the UI and layout.
- Extended an engine to create reports that could be shown on a webpage or downloaded to PDF by leveraging a dynamic composition system developed in-house.

## MDCPartners

### Software Engineer

September 2016 - November 2018 (2 years 3 months)

Antwerp Area, Belgium

Working as an application developer, with a focus on the front-end part of the web application architecture. Keeping in touch with the data analysts in order to provide the best data insights on the front-end of complex and specialized web applications in the health sector.

## Glintt

### Beginner Consultant

December 2015 - June 2016 (7 months)

## INESC-ID

### Summer Intern

July 2015 - November 2015 (5 months)

Working on the development of technological support for a platform for Support and Analysis of DELPHI studies. Part of the MSc thesis of a student.

### Directi

#### Problem Setter and Editorialist

December 2012 - September 2015 (2 years 10 months)

The non-profit initiative Codechef from Directi, which aims to be a leader platform in the teaching and divulgation of Algorithms for students who want to enroll in CS courses.

This work so far as allowed me to develop both my Algorithmic thinking and designing skills and, on the other hand, introduced me to what its like working integrated in a team and what its like to have deadlines to fullfill.

### Infosistema

#### Summer Intern

July 2014 - September 2014 (3 months)

Miraflores, Lisboa

Intern at Infosistema, where I performed activities for several departments and used several agile technologies.

Wrote User Manuals to be used by some client companies (namely, a bank)

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## Education

### Instituto Superior Técnico

Bachelor's Degree, Computer Engineering · (2012 - 2016)