

Rod Oliveira
Software Developer
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About

My name is João Rodolfo Suárez de Oliveira, and I go by Rod Oliveira. I am a Software Developer with vast experience in IT, hold a bachelor's degree in Computer Engineering, and have been working with Open Source my whole career, and programming mainly with Java. I hold 4 certifications in Java, and I have international experience in Brazil, Canada, and England.

Skills

Android, AngularJS, Blockchain, Bluemix, CSS, Eclipse, Git, IntelliJ, Java, JavaScript, Linux, Maven, MySQL, Node.js, Open-source software, Oracle database, Shell Script, SVN, Tomcat, Watson Analytics, WebSphere

Certifications

- [IBM Watson Analytics 101](#) - 2018
- [IBM Cognitive Practitioner](#) - 2017
- [IBM Bluemix Essentials](#) - 2017
- [IBM Blockchain Essentials for Developers](#) - 2017
- [IBM Data Science Foundations - Level 1](#) - 2017
- Sun Certified Developer for Java Web Services - 2008
- Sun Certified Business Component Developer for the Java EE - 2006
- Sun Certified Web Component Developer for the Java EE - 2004
- Sun Certified Programmer for the Java SE – 2003

Education

Dalhousie University (70% done, since 09/2009)
[Master's Degree in Electronic Commerce](#)

State University of Campinas (1994 - 1998)
[Bachelor's Degree in Computer Engineering](#)

Experience

11) [IBM Canada](#)

Software Developer | Since October 2016 | Bedford, Canada

11.1) Rental Car App

Front-end Developer | April 2018 to July 2018 (4 months) | Halifax, Canada

I worked as a Front-end Developer on a code created using Driver First Framework (DFF) and Next Generation Infotainment (NGI), by General Motors (GM), which is built with modern web technologies (HTML 5, CSS and JavaScript). The code implements a proof of concept (POF) that shows cool features for a car rental application that runs in a native touchscreen interface (no phone required). The POC was created for one of the biggest names in the world in car rental, and it was tested in a GM car using Dev Client.

Technical environment: [Dev Client](#), [Driver First Framework \(DFF\)](#), [JavaScript](#), [Next Generation Infotainment \(NGI\)](#), and [WebStorm](#).

11.2) Spruce Meadows Fan Experience - Android App

Android Developer | February 2018 to April 2018 (3 months) | Halifax, Canada

I worked as an Android Developer on a mobile fan engagement application:

- [Spruce Meadows Fan Experience](#)

This is a cool app that allows looking for directions to the closest place to pick up a snack, directions to wash room, or to other places while the user is at [Spruce Meadows](#). The app includes links to live results and activities, which helps the user to plan his/her visit, with a calendar, an interactive map, and a virtual host that helps answering questions.

Technical environment: [Android Studio](#), [Contentful](#), [Dark Sky](#), [GitHub](#), [Google Analytics](#), [Java](#), [Jira](#), [MapBox](#), [Slack](#), [Tradable Bits](#), and [Watson Chat Bot](#).

11.3) Panorama: System for Public Health Jurisdictions

Software Developer | October 2016 to February 2018 (1 year 5 months) | Halifax, Canada

Responsible for maintenance and enhancement of [Panorama](#), an enterprise scale tool for managing preventative and crisis aspects of the Public Health jurisdictions.

Technical environment: [Agile](#), [Cygwin](#), [Docker](#), [Hibernate](#), [Java](#), [JavaScript](#), [JavaServer Faces](#), [Oracle VM](#), [Oracle Database](#), [Rational Software Architect](#), [Rational Team Concert](#), [Shell Script](#), and [SoapUI](#).

10) [CGI](#)

Software Developer | March 2013 to October 2016 (3 years 8 months) | Halifax, Canada

I worked for the following clients: **TD Bank - Credit Cards**, **CGI Corporate**, **CIBC**, and a **global investment bank**.

10.1) [CIBC](#)

Software Developer | September 2016 to October 2016 (2 months) | Halifax, Canada

I was responsible for implementing [user exit](#) for the Informatica Master Data Management platform using Java, restful request, Json and Oracle database.

Technical environment: [Informatica MDM](#), [Java](#), [IntelliJ](#), Linux, and [Oracle Database](#).

10.2) [TD Bank - Credit Cards](#)

Software Developer | April 2016 to August 2016 (5 months) | Halifax, Canada

This engagement consisted of making improvements to a remote banking application that allows branch employees to search for customer credit card statements and authorizations. The following improvements were made: granting access to employees from a different domain and adding the French translation side by side with the text in English.

Technical environment: [Active Directory](#), [GIMP](#), [Java](#), [LDAP](#), [MKS Integrity](#), [IBM Rational Application Developer \(RAD\) 9](#), and [WebSphere Application Server 8.5](#).

10.3) [CGI Corporate](#)

Software Developer | December 2015 to March 2016 (4 months) | Halifax, Canada; Fairfax VA, US; Bordeaux, France; and Cardiff, UK

I worked with a team of experts from Delivery Centres worldwide, the CIO's Office, and Corporate Services, developing new tools for ProAction, which is an innovative approach to application services. The goal of the project was to customize the tools inside CGI to achieve an uniform approach for global delivery, supporting common metrics to improve productivity and performance, by implementing an enterprise scale tool for management based on Atlassian JIRA. I was responsible for loading some [PSA](#) data from the whole company into the Master Data, via a Java application that I developed. For more information:

- [CGI ProAction-AS - An innovative application services approach](#)
- [CGI ProAction-AS](#)

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Technical environment: Java, [Apache Commons](#), [EazyBI](#), [IntelliJ](#), [Jira](#), Linux, [Master Data](#), [Microsoft Azure](#), [PostgreSQL](#), and [Tempo Timesheets](#).

10.4) [CIBC](#)

Software Developer | January 2015 to November 2015 (11 months) | Halifax, Canada

This job consisted of adding new features to a remote banking application from Business Banking Technology, which uses JavaServer Faces, Java Portlets, REST Web Services, and WebSphere Portal Server. The team was in Toronto, and I worked remotely from Halifax.

Technical environment: [ClearCase](#), [JavaServer Faces](#), [Java Portlets](#), [IBM WebSphere Portal Server](#), [IntelliJ](#), [Java 7](#), [Jenkins](#), Linux, [Maven](#), [Oracle Database](#), [Shell Script](#), and [REST Web Services](#).

10.5) Global investment bank

Software Developer | March 2013 to December 2014 (1 year and 9 months) | Halifax, Canada

I worked for a well-known European investment bank which is a global leader in the capital markets industry. The work consisted of using various elements of Java to implement feeds and integrate back-end solutions that support highly complex pricing platforms and trading systems. I develop a proof of concept to deal with the historic of trades using ElasticSearch. Team members were based in Halifax, New York and London (UK).

Technical environment: [Apache Camel](#), [ElasticSearch](#), [Hibernate](#), [IntelliJ](#), Java SE, Java EE, [Jenkins](#), [Jira](#), [JMeter](#), [JMS](#), Linux, [Maven](#), [Oracle Database](#), [Shell Script](#), [Spring](#), [SVN](#), [Tibco Messaging](#), and [Tomcat](#).

9) [Mariner Partners](#)

Software Developer | December 2011 - October 2012 (11 months) | Halifax, Canada

I worked for the following clients: **SHIFT Energy**, **Bell Aliant**, and **Medavie Blue Cross**.

9.1) [SHIFT Energy](#)

July 2012 - October 2012 (4 months)

I worked with SOAP-based web services, which are the back end that integrates the components of [EnergyMentor™](#), a solution that monitors energy consumption in buildings or plants on a real-time basis. I also worked on the front end, using Apache Wicket, CSS 3, and Java.

Technical environment: Apache Qpid, Apache Wicket, CSS3, Linux, Hibernate, HTML5, Java, Jenkins, Maven, NetBeans, PostgreSQL, SOAP, Scrum, Shell Script, Spring, Subversion, Tomcat, WSDL, Web Services, and XSD.

9.2) [Bell Aliant](#)

March 2012 - June 2012 (4 months)

I reviewed business requirement documentation and helped to develop the [FibreOP™](#) front-end website, using JSP, jQuery, HTML 5, and CSS.

Technical environment: Ant, CSS 3, Eclipse, HTML 5, IBM Rational ClearCase, IBM Rational ClearQuest, JSP, Scrum, and WebLogic.

9.3) [Medavie Blue Cross](#)

December 2011 - February 2012 (3 months)

I worked on an IBM WebSphere Portal project. My job was to develop a [mediation module](#) using IBM WebSphere Integration Developer.

Technical environment: IBM WebSphere Integration Developer, IBM WebSphere Portal, Portlets, Rational Unified Process, SOA, SOAP, SVN, Scrum, and WSDL.

8) [NTT DATA](#)

Software Developer | June 2007 - June 2011 (4 years and 1 month) | Halifax, Canada

I worked for the following clients: **Pason** and **TIAA-CREF**.

8.1) [Pason](#)

June 2008 - June 2011 (3 years 1 month)

- Worked with maintenance and new features of the DataHub application, which is a central data warehouse for drilling data collected at rig sites. This app provides drilling contractors and lease operators with instant access to drilling data and reports and other information on their drilling operations.
- Designed and developed the Pason API, a system that grants access to drilling data via RESTful-based web services.
- Worked on the development of new features, performed maintenance on, and provided technical support for Pason Mobile, an application for BlackBerry smartphones that allows the user to view real-time drilling information on active wells.

Technical environment: LAMP (Linux, Apache, MySQL and PHP), Java EE and SE, Python, Pylons, Subversion, and BlackBerry development.

8.2) [TIAA-CREF](#)

June 2007 - May 2008 (1 year)

The project consisted of upgrading the online enrollment component, with a view to complying with FINRA Rule 2821, which requires the seller of a deferred variable annuity to have a clear understanding of the buyer's financial background and fully disclose all associated risks and benefits. Performed code review to provide support for business analyses, reviewed business requirement documentation, and developed the front end using Struts to support the system's upgrade.

Technical environment: Java EE, Struts, Oracle database, and Oracle WebLogic Server.

7) Motorola

Software Developer | June 2006 - November 2006 (6 months) | Jaguariúna, Brazil

I worked for the project Warehouse Management System and was responsible for the Information Manager module which was developed using Perl, Java, and Struts. The data persistence was performed on an Oracle database. This module is used by production managers to have more control in warehouse and production lines, as a support for their decisions. The users were responsible for QA during the development, following some of the Extreme Programming rules, and allowing me direct and constant contact with the client.

Technical environment: Linux, Perl, Java, Struts, Oracle, PL/SQL, JavaScript, and Shell Script.

6) MRO Software - IBM

Software Developer | November 2004 - April 2006 (1 year and 6 months) | São Paulo, Brazil

I was a member of the first MRO software development team in Brazil. My job was to develop industry specific modules using [Maximo](#), an MRO/IBM framework and product. I was responsible for implementing these modules, which extended across all layers of the framework. The development of the UI was declarative and used Ajax. The business side made use of specific business objects, all of which were based on EJB objects and simple business objects that used remote method invocation. All the development was made using Java EE and Eclipse IDE and deployed in WebLogic. MRO Software was acquired by IBM.

Technical environment: Java SE, Java EE, EJB, Ajax, Tivoli Maximo, JSP, JavaScript, Oracle, PL/SQL, and Oracle WebLogic Server.

5) Bireme - World Health Organization

Software Developer | March 1999 - October 2004 (5 years and 8 months) | São Paulo, Brazil

5.1) **Web Services:** I implemented services for user authentication and services for information retrieval, using Servlet and Java SE.

5.2) **Information retrieval:** I implemented the algorithm [Journal Descriptor Indexing](#) and other algorithms based on vector indexing technique and thesaurus.

5.3) **Ministry of Health - Glossary:** I was responsible for the total Software Development Life Cycle, that is, conducting client needs assessment, architecture, development, building, installation, and testing. The system was designed for users who want to understand the meaning of some words used by the Ministry of Health. The user can make suggestions of new terms or ask for deletions or modifications. Using the system, the manager can decide which suggestion to accept. The system was developed using Servlets and JSP, based on

MVC pattern. The queries to the database were made using HTTP protocol through a distributed system. I developed a cache for the queries to reduce the time of communication between the database and the system.

5.4) **Web sites:** I worked as a developer on the server and client side of the following websites: [The Cochrane Library](#) and the [Portal of Journals on Health Sciences](#).

5.5) **DeCS - Health Sciences Descriptors:** I was responsible for the total Software Development Life Cycle: conducting client needs assessment, architecture, development, building, installation, and testing. Articles in Portuguese and English:

- [Pesquisa na área da saúde: 1 - base de dados DeCS \(Descritores em Ciências da Saúde\)](#)
- [Research in Health area: 1 - DeCS Database \(Descriptors in Health Sciences\)](#)

Technical environment: Java SE, Java EE (Servlet, JSP), JMeter, Jakarta Commons, Ant, CDS/ISIS, JavaScript, XSD, XSLT, SQL, Apache, PHP, XSD, Linux, Shell Script.

4) [UNDP - United Nations](#)

Consultant | January 2002 - July 2002 (7 months) | Brasília, Brazil

I worked as a consultant for the [Ministry of the Environment](#), evaluating the Brazilian Net Information about Biodiversity (BINBR) and making an analysis of the information architecture, hardware, access statistics and database. The aim of this report was to gather details that later would be used by the Ministry of Environment in its decision regarding the future of the project.

Technical environment: Linux, Weblog File Analyzer, AWStats, and Analog.

3) [Manchester Visualization Centre - The University of Manchester \(UK\)](#)

Programmer | June 1998 - September 1998 (4 months) | Manchester, England

I was responsible for migrating a [MAVIS](#) module from a version based on software AVS5 to the version based on software [AVS/Express](#). I used the C language and Silicon Graphics stations. MAVIS, the Molecular Animation and Visualization System, is a Molecular Graphics display and manipulation package designed specifically to interface to many popular computational chemistry codes.

Technical environment: C, Silicon Graphic, Unix, AVS Express.

2) [Biological Computing - UNICAMP](#)

Researcher | August 1996 - May 1998 (1 year and 10 months) | Campinas, Brazil

At State University of Campinas (Unicamp) I had a two year academic project [scholarship](#), whose aim was to create [algorithms to solve problems in the comparison of character sequences](#) with a general formulation and available on the web. It was an [academic project](#) and my supervisor was [Professor João Carlos Setubal](#). Article:

- [Uma abordagem uniforme para problemas de comparação de seqüências](#)

Technical environment: C, C++, Sun Solaris, Unix, and cgi-bin.

1) [IMECC - UNICAMP](#)

Researcher | January 1992 - December 1992 (1 year) | Campinas, Brazil

At State University of Campinas (Unicamp) I received a [scholarship](#) to work on a one-year academic project whose aim was to study [Paraconsistent Logic](#), from both a theoretical and a practical point of view. As part of the project, I also studied [Computability](#) (using the book *Computability: Computable Functions, Logic, and the Foundations of Mathematics*), [Set Theory](#), and [Classical Logic](#). My supervisor, who is also one of authors of the aforementioned book, was [Professor Walter Carnielli](#).