

Norberto Olivera

Software Engineer - IBM

Morrisville, NC - Email me on Indeed: [indeed.com/r/Norberto-Olivera/d54c155dc3b6108d](https://www.indeed.com/r/Norberto-Olivera/d54c155dc3b6108d)

Willing to relocate: Anywhere

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer

IBM - Durham, NC - January 2016 to Present

Designed and implemented a test framework for the Voice Gateway for Watson using the following technologies: Java, REST API, SIP servlets, Web Sockets, JSON and Gradle.

- Extended the WebSphere Liberty Runtime to add the capability to handle the Media Server Control API (JSR309).
- Implemented a proof of concept using Zoom, Liberty and Radisys Media Server involving the recording of conference calls using Liberty, which resulted in the customer expressing interest in acquiring the product.
- Provided customer facing technical support for the WebSphere SIP container.
- Participated on Bluehack building the Jetsream application, which is an integration of the Liberty real time communications technologies (SIP, WebRTC), media servers and Bluemix. Eventually it became a feature on WebSphere Liberty Server.

Software Engineer (Automation and Testing Lead)

IBM - Durham, NC - January 2014 to December 2015

As test lead for the WebSphere SIP container, I was in charge of executing and monitoring the system verification tests to ensure high product quality.

- Designed and developed new tests suites to further extend the test coverage over the product.
- Managed the prioritization of test team responsibilities.
- Created product quality reports and presented them to management on a weekly basis.
- Reduced preexisting test automation backlog by 100%.

Software Engineer Co-op

IBM - Durham, NC - January 2012 to December 2014

- Tested and worked with the development team on WebSphere Session Initiation Protocol (SIP) container in order to resolve issues found during System Verification Testing (SVT) phase.
- Created web applications for SVT using SIP servlets and Java EE technologies.
- Developed scripts to execute SVT in an automated environment to eliminate the need for manual testing.

Computer Engineering Design Course Software Engineer

IBM - Mayagüez, PR - August 2013 to December 2013

- Designed an autonomous system to aid cattle farmers in the caretaking of newborn calves by helping with the storage and automating the dispense of food and water.
- Implemented a system composed of multiple microprocessors using C, managed by a Java web application running on a remote server.

Artificial Intelligence Programmer

IBM - Mayagüez, PR - March 2013 to May 2013

Implemented a minmax algorithm, using Java, to create an artificial intelligence agent for a Connect 4 game that would be able to play against a human.

- Accomplished a 70% win rate for the agent.
- Designed and developed a graphical interface for the Connect 4 board.

EDUCATION

Computer Engineering

University of Puerto Rico - Mayagüez, PR

August 2008 to December 2013

SKILLS

SIP (5 years), WEBSHERE (5 years), JAVA (4 years), JSON (1 year), ANDROID (Less than 1 year), Java (6 years)

ADDITIONAL INFORMATION

Skills

Languages: Java, Python, C, Bash, JavaScript Other technical knowledge: SIP, WebRTC, Mqtt JUnit,
Databases: MySQL, PostgreSQL RTC, JSON, Git, Watson, Bluemix, Liberty, WebSphere,
Platforms: Windows, Unix, Android Eclipse, VMWare, Object Oriented Programming, Agile