Christian Barrientos
Software Engineer - IBM

Raleigh, NC - Email me on Indeed: indeed.com/r/Christian-Barrientos/6edebbbfc5461332

Authorized to work in the US for any employer

WORK EXPERIENCE

Software Engineer
IBM - Durham, NC - November 2015 to Present

Led WebSphere Portal Cloud team to schedule, deploy, prepare and deliver 9 new customer
environments, often ahead of schedule.
• Implemented scripts to automate steps in the deployment and maintenance process.
• Performed upgrades, maintenance and product support to live customer systems.
• Trained and helped transition new team members by giving out demos and presentations, as well as writing
technical documentation of all pertaining steps and processes.

Software Engineer
IBM - Durham, NC - July 2014 to November 2015

• Developed test files for different features of Portal using Java, Selenium and JUnit, as well as improving
existing tests.
• Worked on automation and maintenance of Bash scripts, improving on testing performance against
WebSphere Portal, as well as adding new features.
• Tested different configurations of WebSphere Portal systems, reporting errors found and working with the
development team to solve them.
• Implemented an automated rollback test for each new build of WebSphere Portal, freeing up resources that
would manually perform the test that would take up to 3 hours.

Computer Engineering Design Course Software Engineer
Mayagüez, PR - November 2013 to May 2014

• Designed fleet management system, for Tamrio, a small construction company.
• Developed Android application, using a MySQL database, which would provide information about the
company's equipment and inventory.
• Worked in a team of 4, presenting to the client a JSP based website, Android and iOS applications.

Software Engineer Intern
IBM - Lenexa, KS - June 2013 to August 2013

• Tested and worked with the development team on the NoSQL feature for Informix.
• Researched 3 applications based on MongoDB and modified them to work with the NoSQL Informix
driver for further testing and demos.
• Developed a dead link crawler using Ruby and the Watir libraries to improve on productivity and maintenance
of Informix wiki, saving up to a month of the administrator's time.

Artificial Intelligence Programmer
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.

Software Engineer Intern
IBM   -   Littleton, MA   -   June 2012 to August 2012

- Designed and developed a dashboard to monitor IBM's SmartCloud Service.
- Automated the process of getting data from the data centers into the dashboard.
- Established algorithms, using Python, to predict when equipment would need to be replaced or upgraded.

Information Technology Specialist Co-op
GENERAL ELECTRIC CO   -   Hato Rey, PR   -   January 2012 to May 2012

- Managed Helpdesk process and provided island wide support in infrastructure related problems, GE applications and standard Windows programs, ensuring a 95% solve rate and improving on time to solve by 60%.
- Developed a MySQL and ASP.NET application to substitute a manual process in all six plants in Puerto Rico.
- Created an initiative to visit all plants in Puerto Rico to demonstrate and train the personnel on different IT processes.

EDUCATION

Computer Engineering
University of Puerto Rico   -   Mayagüez, PR
August 2008 to May 2014

SKILLS

WEBSPHERE (2 years), Java (3 years), Bash (2 years), JUnit (1 year), MYSQL (Less than 1 year), Python (1 year)

ADDITIONAL INFORMATION

Skills
Languages: Java, Python, C, Bash Technical knowledge: Selenium, JUnit, Jenkins, RTC,
Databases: DB2, Informix, MySQL, MongoDB Git, Libgdx, WebSphere, SSL, Eclipse, PureApp,
Platforms: Windows, Unix, Android VMWare, Object Oriented Programming, Agile