



GUILLERMO CABRERA

Backend Software Developer



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EXPERIENCE

IBM Corp.

Jan 2014 -Present

EMERGING TECHNOLOGIES SOFTWARE DEVELOPER

Design and implementation of prototyping work around big data analytics, and cloud (Softlayer) infrastructure and applications. Early adoption and evangelization of technologies such as Docker, Jupyter notebooks, Apache Spark, Apache Mesos within organization. Exploration of data processing via Lambda architecture using Apache Kafka. Demos at Spark Summit 2014 (San Francisco) and Strata + Hadoop 2014 (Barcelona).

Workday

Jul 2012-Jul 2013

SOFTWARE ENGINEER - PERFORMANCE

Identified performance bottlenecks at JVM level on platform applications (ex. Payroll, Financials). Designed and executed benchmarks against our 500k employee tenant. Explored initial work to stand up, tune and make use of a Riak (Dynamo model) cluster as data store for Workday system. Joined pre IPO on NYSE

Fusion Taurina

Aug 2011-Jul 2012

DIRECTOR TECHNOLOGY AND CO-FOUNDER

Designed and developed collaborative Smartphone applications (iOS and Android) for sports. "MiToroBravo" app with 15,000 unique users and 92,000+ sessions in iOS alone during first year of launch. Explored Phonegap as a way to deploy to multiple platforms as well as MANETs via bluetooth.

IBM Corp.

May 2010 -Aug 2010

EXTREME BLUE TECHNICAL INTERN

Presented and discussed project with Sam Palmisano (IBM Chairman, former President and CEO). Extended functionality of Big Data application based on Apache Pig and Hadoop. Extracted relevant information from Twitter dataset, classified it and visualized it on a map for user to interact.

HP Labs

May 2009-Aug 2009

RESEARCH INTERN

Analyzed relevance of eye gaze data from web documents to further improve recommendation systems. Extended web browser that would use the DOM elements coordinates to correlate with eye gaze data and create index for read (as opposed to skimmed) paragraphs. The data was then fed to existing profiler.



SKILLS

LINUX (UBUNTU) - JAVA - OBJECTIVE C - SCALA - SQL - BASH - XML - JSON

ECLIPSE - INTELIJ - DOCKER - GIT - AGILE METHODOLOGIES

ORACLE 10G - MYSQL - BERKELEY DB - JDBC

SPARK - MESOS - HADOOP - MARATHON - JUPYTER - KAFKA

ENGLISH (NATIVE) - SPANISH (NATIVE) - RUSSIAN (B2, INTERMEDIATE)



EDUCATION

MSCS

Dec 2010

THE UNIVERSITY OF TEXAS AT AUSTIN

Focus on information storage and retrieval, machine learning and database systems. Relevant courses include: Semisupervised Learning for Computational Linguistics; Semantic Web, Ontologies and the Cloud.

BSCS

Dec 2006

THE UNIVERSITY OF TEXAS - PAN AMERICAN

Outstanding Student Award for Academic and Leadership Achievement in 2006 (4 out of 3000 in College of Science and Engineering). President of the ACM Student Chapter. Minor in Business Administration.

ABROAD

SAINT PETERSBURG STATE UNIVERSITY

UNIVERSIDAD DE SALAMANCA



EXTRA

* Chair for 1st annual CS Student Research Day conference at UT - Pan American

* 1 of 75 students in North America selected for 2010 Google Grad CS Forum

* Patent filed in USA (Nov 2015) - Attachment of cloud services to big data services.

* Enjoy travelling, world music, latin dancing, yoga, running and most recently BJJ