GUILLERMO CABRERA

Backend Software Developer

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💼 EXPERIENCE

EPAM Systems
Feb 2017-May 2017

SENIOR SOFTWARE ENGINEER - BIG DATA

Coordinated end to end proof of concept between leading European Telecommunication client and development team in St. Petersburg, Russia. Investigated performance issues with Apache Spark streaming applications dealing with throughput and availability. Contributed to EPAM's open source initiative by working on Apache Zeppelin project (ZEPPELIN-1720).

IBM Corp.
Jan 2014-Jun 2016

EMERGING TECHNOLOGIES SOFTWARE DEVELOPER

Designed and implemented prototyping work on 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. Explored 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.

⚙️ SKILLS

LINUX (UBUNTU) - JAVA - SWIFT - SCALA - SQL - BASH - XML - JSON

ECLIPSE - INTELLIJ - DOCKER - GIT - AGILE METHODOLOGIES

ORACLE 10G - MYSQL - BERKELEY DB - JDBC

SPARK - MESOS - HADOOP - MARATHON - JUPYTER - KAFKA

ENGLISH (NATIVE) - SPANISH (NATIVE) - RUSSIAN (B1, 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 (RUSSIAN FEDERATION)

UNIVERSIDAD DE SALAMANCA (SPAIN)

🌐 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 traveling, world music, latin dancing, yoga, running and most recently Jiu Jitsu.