



# GUILLERMO CABRERA

Backend Software Developer

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## EXPERIENCE

IBM Corp.

Jan 2018-Apr 2019  
Austin, TX

### SOFTWARE DEVELOPER CLOUD STORAGE- BAND 8

Led development between nine groups for Aspera (high speed data transfers) integration to our storage offering. Implemented transition from legacy system to enhanced Cassandra backend and API used in billing. Legacy application changes to move metrics from HBase to InfluxDB

Glovoapp.com

Jul 2017-Oct 2017  
Barcelona, Spain

### BACKEND DEVELOPER

Implemented features in Spring/Hibernate that helped finance team with pending debt or duplicate payments with partners. Automated processes for invoice creation by use of Google Drive API. Expanded API with frontend requirements. Terminated work due to problems with work visa and political situation in Barcelona

EPAM Systems

Feb 2017-May 2017  
St. Petersburg, Russia

### 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  
Austin, TX

### EMERGING TECHNOLOGIES SOFTWARE DEVELOPER - BAND 7

Designed and implemented prototyping work on big data analytics and cloud (Softlayer) infrastructure and applications. Early adoption and evangelization of technologies such as Docker, Jupiter 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  
Pleasanton, CA

### SOFTWARE ENGINEERING - 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 Riak (Dynamo model) cluster as data store for Workday system. Joined pre IPO on NYSE

## SKILLS

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

INTELLIJ - ECLIPSE - DOCKER - GIT - AGILE METHODOLOGIES

MYSQL - INFLUXDB - ORACLE 10G - BERKELEY DB - SPRING - JDBC

SPARK - MESOS - HADOOP - MARATHON - JUPYTER - KAFKA

ENGLISH (NATIVE) - SPANISH (NATIVE) - RUSSIAN (B1) - GUJARATI (BEGINNER)

## 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 SALAMANDA (SPAIN)

## EXTRA

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

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

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

\* Enjoy traveling, world music, latin dancing, biking, yoga philosophy, quantified self