

# Balaji Ambresh

## Senior Software Engineer

Fremont, CA - Email me on Indeed: [indeed.com/r/Balaji-Ambresh/18630ebe1ab5bda0](https://www.indeed.com/r/Balaji-Ambresh/18630ebe1ab5bda0)

Authorized to work in the US for any employer

### WORK EXPERIENCE

#### Senior Software Engineer

Ooyala - January 2016 to April 2016

Tags - Wrote a scala version of the video tagging service. Improved the memory consumption and correctness of the service. Worked with an SDET to fix the release process.

- Demo data generation - Wrote a go lang module for the sales folks to use demo data for presentation purpose.

#### Senior Software Engineer

Linkedin - March 2014 to September 2015

Tracking - Worked on a system to measure anomalies on user events.

Technologies used: Apache samza, LinkedIn Ingraphs, Apache Kafka, Apache Avro, Rocks DB.

- Created a framework to perform ETL on a windowed level using Apache Samza. This was to enable data scientists and data quality folks to write non-code level specifications to monitor events.

#### Software Engineer

Linkedin - January 2013 to March 2014

Waterloo - A system for updating standardized member geo information on the fly. Technologies used: Apache samza, databus, kafka.

- Lead a team of size 4 to develop a taxonomy management tool.
- Enhanced geo service to use LinkedIn custom framework. Shepherded teams across LinkedIn to ensure smooth migration to this framework.
- Added lat/long support and dynamic language packs for geo to lookup nearest locations for a particular point on the globe.
- Engineered solution for verifying metric stats and sending error reports when statistics fail.

#### Senior Software developer

Quixey - July 2012 to December 2012

Mentored interns in implementing dashboard application to monitor API and system usage using Hadoop.

- Designed and implemented data indexing system using Hadoop.

#### Software developer

Research In Motion, Software - January 2009 to June 2012

Implemented Microsoft ActiveSync protocol for BlackBerry.

- Implemented IMAP content download, BODYSTRUCTURE parser and CMIME PIN-to-PIN messaging support for e-mail application.
- Enhanced Blackberry's SIM phonebook for supporting USIM for AT&T and RUIM for China Mobile.
- Optimized SIM security and device boot up code for improving the device performance.

#### intern

Net Enforcers, Summer - May 2008 to August 2008

Developed a web crawler for fraud detection, thereby reducing manual verification process and improving tolerance.

### **Programmer Analyst**

Cognizant Technology Solutions - November 2005 to November 2006

Integrated CRC Saver Plus feature into Hartford Life Insurance policy using Oracle PL/SQL and Oracle forms

- Implemented an automation framework for CRC unit testing.

### EDUCATION

#### **research**

University of Illinois - Urbana, IL

### ADDITIONAL INFORMATION

Operating Systems Windows, OS X, Linux.

Databases Oracle 10g, PostgreSQL, Microsoft SQL Server 2005, MySQL

Development tools Blackberry JDE, Eclipse, Toad, NetBeans, IntelliJ, QNX Momentics IDE,

Perforce, SVN, Git, Familiarity with Selenium