

ELLIOTT CLARK

elliott.neil.clark@gmail.com

(415) 56CLARK

Apache HBase PMC Member, Committer
Big Data Engineer, Tech Lead

Experience

Cloudera

Oct 2012 — Present

HBase Engineer

Became an Apache HBase Project Management Committee (PMC) member.

Instrumented HBase and HDFS to enable RPC tracing using HTrace and Zipkin; the Dapper like system enables HBase developers to debug and tune their uses of HBase with more confidence.

Created a new compaction algorithm that has 10x better IO utilization in certain use cases.

Created new UI for HBase Master and Regionserver daemons to encourage adoption of HBase.

StumbleUpon

Apr 2012 — Oct 2012

HBase Engineer

Became an Apache HBase committer.

Deployed new versions of HBase to production clusters with no downtime, fixing issues and improving data store performance.

Created new Stochastic Load Balancer that takes into consideration, data locality, request throughput, and data sizes to better utilize server resources.

ngmoco;)

Aug 2010 — Apr 2012

Lead Engineer, Data & Analytics

Promoted twice into a position managing individual contributors in the Analytics group.

Created Scala server infrastructure, including servlet front-end and Akka back-end services. The new design improved performance, up to 15k messages per second per server, and allowed for new features.

Architected Hadoop jobs using Hadoop, Avro, and HBase that allow executives, designers, and engineers to track revenue and user behavior from more than a billion messages a day.

Built software to start, stop, and add to Hadoop/HBase/Zookeeper clusters on Amazon's EC2 allowing the group to rapidly adopt Hadoop and HBase.

Designed and implemented JavaScript UI to display tens of thousands of data points per day per game in a discoverable HTML interface.

316 Ventures

December 2009 — August 2010

Software Development Engineer

One of two engineers to redesign and build a new thrillcall.com.

Implemented real-time and background content scraping systems to process and display pricing data from external web sources.

Halved page load time by optimizing database access, creating automatic asset minification scripts, configuring caching, and other web development best practices.

Microsoft

June 2008 — December 2009

Software Development Engineer

Resolved more than 80 bugs in multiple areas of Windows Presentation Foundation to reach zero bug bar on

schedule.

Corrected blocking bugs in WPF to enable Blend and Visual Studio to adopt Windows Presentation Framework.

Received a level promotion in the first year.

Created a hotfix for a high priority bug in WPF libraries of .NET, enabling Windows customers to type diacritics.

Lead the effort to create a .NET WPF implementation of Microsoft Ribbon; implemented the custom window code to allow integration into the title bar.

Drove customer adoption WPF solutions by answering questions on MSDN Forums and Codeplex.com.

Microsoft

July 2007 — September 2007

Software Development Intern

Prototyped a new control for use with WPF News Reader.

Collaborated with multiple teams to implement new streams of revenue.

Developed XML tools to deliver MSDN Magazine online using the WPF News Reader SDK.

NifeEdge Software

2005 — 2006

Founder

Founded custom software firm to serve companies with small and medium size projects.

Designed and wrote internal web based software to expand sales and track employee productivity for Area Circulations Inc.

Open Source

[Apache Jira Issues](#)

[HTrace](#)

[Zipkin](#)

[Impala](#)

[Github Page](#)

Skills

Big Data

I design and implement solutions to make large volumes of data drive real business value.

Scalable Servers

I build and test highly concurrent servers to meet low latency and high availability requirements.

Drive Quality

I strive to create quality products by adopting test driven development and other best practices.

Technical

Hadoop

Scala

Scalatra

Git

HBase

Java

Ruby on Rails

Jenkins CI

JUnit

JavaScript

Django

Linux

SBT

Python

Avro

Puppet

Scalatest & Specs 2

Ruby

Akka Actors

Education

Georgia Institute of Technology

BS Computer Science