

Harlan Jacob Iverson

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Work Experience

- Aug 2018–
present **Day Worker**, *Day Worker Center*, Mountain View, CA.
Work daily jobs such as landscaping, trench digging, moving, and bar tending; and occasional multi-day jobs at festivals and similar.
- Apr 2014–
Mar 2016 **Software Engineer**, *PubNub*, San Francisco, CA.
1. Created customer-facing analytics dashboard to aggregate and display real-time data from seven global regions as charts and a traffic map.
2. Architected, built, and optimized a wire-compatible second version of the analytics system back-end to evaluate data pipeline technology, with budget constraint.
3. Designed and implemented distributed JS engine for co-located evaluation of customer script code on their real-time data streams.
Tech: Clojure, Kafka, Javascript, D3.js, Java Flight Recorder, GNU/Linux, Samza, Nashorn.
- May 2011–
Dec 2013 **Software Engineer**, *Emota*, Mountain View, CA.
1. Used commercial game engine to create shared bonfire experience that synced via Facebook groups with animated avatars as actors.
2. Built mobile device pairing flow and with registration and messaging system for our IoT products.
Tech: Java, Flex, MongoDB.
- Jun 2003–
Jan 2007 **Web Developer**, *Plaudit Design*, Saint Paul, MN.
Implemented full stack web application functionality for e-commerce and other interactive websites.
Tech: Java, PHP, MySQL.
- 1999–
present **Open Source Software Maintainer**.
Continuous contribution to Open Source software and giving tech talks has been a means of professional growth since early career; see Portfolio on website for a full list.
Tech: Java, Maven, Javascript, XMPP, PHP, Docker, RasPi, GNU/Linux.

Education

- 2008–2011 **Bachelor of Computer Science**, *U. of Minnesota*, Minneapolis, MN.
Completed B.S. degree in order to master data structures and algorithms before entering the Bay Area job market.
- 2005–2008 **MN Transfer Curriculum**, *MNSCU*, St. Paul, MN.
Completed mathematics prerequisites and lower division liberal education requirements for transfer to University of Minnesota.