

# Harlan Jacob Iverson

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[harlanji.com/portfolio](http://harlanji.com/portfolio)

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## Work Experience

- Jan 2018– Jul 2018 **Software Engineer & Host**, *iSpooge Daily*, San Francisco, CA.  
*Focus: Scalable Video Delivery.*  
*Tools:* Clojure, Cryogen, Bash, Docker, VideoJS, ffmpeg, AWS EC2 + S3.  
· Created global scale delivery and minimal origin systems for live video.  
· Recorded lectures and developed system on self-hosted live stream episodes.  
· Created open-source management scripts for processing and production.  
· Deployed multi-party system at a 2-day hackathon with junior FE engineers.
- Jul 2016– Nov 2017 **DevOps Engineer**, *Various Startups*, San Francisco, CA.  
*Tools:* AWS, Docker, NodeJS, Hyperledger Fabric, GKE Kubernetes.  
· Built token-based tracking system to support email marketing campaigns.  
· Operated back-end for a chat app, supporting weekly influencer traffic.  
· Operationalized distributed ledger system and trained junior team.
- Apr 2014– Mar 2016 **Software Engineer**, *PubNub*, San Francisco, CA.  
*Focus: Real-Time Analytics Infrastructure.*  
*Tools:* Clojure, Kafka, Javascript, D3.js, GNU/Linux, Samza.  
· Built customer facing dashboard with global aggregation (cAP).  
· Built streaming relational algebra engine for analytics (CaP).  
· Deeply optimized for operational budget and end-to-end latency.
- Oct 2013– Mar 2014 **Software Engineer**, *Various Startups*, San Francisco, CA.  
*Focus: Front-End Integration.*  
· Built heads-up chat system for image sharing community website.  
· Built widgets for high profile consumer web re-launch.
- May 2011– Dec 2012 **Software Engineer**, *Emota*, Mountain View, CA.  
*Focus: IoT Research: “Ambient Emotional Technology”.*  
· Built event-driven isometric game system using commercial engine.  
· Built end-to-end BTLE pairing and RESTful device pairing demo.
- Jun 2003– Jan 2007 **Web Developer**, *Plaudit Design*, Saint Paul, MN.  
*Focus: Content Management Systems.*  
*Tools:* Java, PHP, MySQL.  
· Improved several aspects of in-house CMS engine and customer backends.

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## Education

- 2008–2011 **Bachelor of Computer Science**, *U. of Minnesota*, Minneapolis, MN.  
1999– present **Free/FLOSS Software Maintainer.**  
Continuous contributions via open source and presentations at user groups.  
See Portfolio link for examples.