Harlan Jacob Iverson
Software Engineering Professional

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↰ *harlanji.com/portfolio*

Experience

Jan 2018–Jul 2018
Software Engineer & Host, *iSpooge Daily*, San Francisco, CA.
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 systems in self-hosted live stream episodes.
· Created open-source scripts for media 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
Data Engineer, *PubNub*, San Francisco, CA.
Tools: Clojure, Kafka, Javascript, D3.js, GNU/Linux, Samza.
· Built customer facing dashboard with global aggregation (cAP).
· Built streaming relational algebra engine for streaming analytics (CaP).
· Optimized systems for minimal end-to-end latency and operational costs.

Oct 2013–Mar 2014
Software Engineer, *Various Startups*, San Francisco, CA.
Tools: Javascript, Firebase.
· Built heads-up chat system for image sharing community website.
· Built widgets for high profile consumer web re-launch.

May 2011–Dec 2012
Principal Engineer, *Emota*, Mountain View, CA.
Tools: Java, Adobe Flex, SmartFox Server.
· 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.
Tools: Java, PHP, MySQL.
· Improved several aspects of in-house CMS engine and customer backends.

Education

1999–present
Free/FLOSS Software Maintainer.
Ongoing professional development and contributions via open source software and presentations; see Portfolio for examples.

2008–2011
Bachelor of Computer Science, *U. of Minnesota*, Minneapolis, MN.
Studied computer systems, language, and theory of computation.