

Dan Ballard

Education:

University of British Columbia: Bachelor of Science majoring in Computer Science
Langara College: Associates of Science majoring in Computer Science
Coursera.org: AI, Machine Learning, SaaS, Model Thinker, Game Theory, Crypto, Scala

Work:

Tor Project

Aug 2022 – Current

Developer on Applications Team

- Develop new features on Tor Browser, including new privacy preserving features, and tor network integration
- Work with upstream and review new features for privacy implications
- Tor Browser for Android features including sizable refactoring of tor integration
- Reproducible build work for Tor VPN
- Using C++, Javascript, Kotlin, Java, Perl, and Rust

Open Privacy Research Society <https://openprivacy.ca>

Apr 2018 – Current

Board & Contributor

Jul 2022 - Current

Director Of Engineering

Apr 2018 – Jul 2022

- Development of Cwtch, a decentralized, metadata resistant, end to end encrypted, privacy focused instant messaging platform
- Maintain cross platform support for: Windows, Android, MacOS, Linux
- Maintain automated build systems for Go libraries and Flutter applications all on Docker using DroneCI and Gitea
- Developed Docker containers to support build system
- Focus on user experience keeping bugs low while adding new user experience enhancing features to our communication application
- Using Go, Rust, Kotlin and Dart/Flutter to deliver cutting edge system and features

Amazon

Mar 2015 – Apr 2018

Software Development Manager

Aug 2017 - Apr 2018

- Managed team for Vendor Express Procurement
- Acted as TPM for Vendor Express Deprecation:
 - Designed the technical plan and roadmap and coordinated the technical side of winding down a \$500M/yr business

- Retail Consignment

Software Development Engineer II

Mar 2015 – Aug 2017

Vendor Self Service

- Vendor Express shipping method expansion (direct fulfillment)
- Vendor Express international expansion (UK, DE, JP)
- Vendor Central Item 1x1 Edit
- Vendor Cross Marketplace Expansion
- Vendor Asin Consignment Service Notifications
- Retail Consignment

A Startup

Jan 2014 – Feb 2015

Developer

- Created centralized scalable build and deployment system (Jenkins, git, AWS)
- Worked on massive code cleanup removing duplication and centralizing code so that new features like logging and new communication protocols could be added rapidly (Go)
- Fixed stability and scalability issues in MongoDB cluster
- Maintaining existing product, and adding new datasource api vendor calls, fixing client bugs (C#, SOAP)

Web Agency

Jan 2011 - Dec 2013

Developer

- Built sites for clients using PHP, MySQL, JQuery and Drupal
- Setup and maintained Linux hosting environments for clients to different requirements and scale

Open Source:

Tor Project: <http://gitlab.torproject.org>

Open Privacy: <http://git.openprivacy.ca>

Nov 2011: Contributed Linux Kernel patch:

<http://git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git;a=commit;h=73efc0394e148d0e15583e13712637831f926720>