# Sean Barag

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**Experience** 2015-04-02 Amazon.com in Seattle, WA

Present Software Development Engineer II — Marketplace Shipping Services

- · Led, Designed, implemented, and launched new public web service to purchase shipping labels for Amazon orders
- · Provided external developer support during public beta of shipping label web service
- · Coordinated team of six developers in working in parallel in same codebase

## 2013-08-12

**Amazon.com** in Seattle, WA

**—** 2015-04-02

Software Development Engineer I — Marketplace Shipping Services

- · Wrote script to find fatal error root-causes in logs across three web services
- · Reduced fatal errors from 1,100 fatals per million requests to 200 fatals per million
- · Contributed to Amazon-internal tools to read and transform missing log data
- · Contributed new library to Amazon community to set outgoing request ID for web service calls
- · Developed and maintained Java service that processed 28 requests per second (at peak)
- · Designed asynchronous workflow-based service to purchase up to 500 shipping labels and merge into single PDF
- · Identified multiple production security vulnerabilities; critical vuln. fixed in prod within 24 hours

### 2012-04-01

Lockheed Martin MS2 in Moorestown, NJ

**—** 2012-09-01 Coop Technical Senior — Information Assurance (IA)

- · Scan mission-critical systems for vulnerabilities with automated and manual tools
- · Harden mission-critical systems by applying updates and patches
- · Research new scanning software to comply with new DoD standards requirements
- · Write Excel plugin to automatically format data for vulnerability reports
- · Coordinate with senior engineers and senior executives for weekly status updates
- · Create departmental wiki for tool documentation and usage tips

2011-03-01 ( Lockheed Martin MS2 in Moorestown, NJ

— 2011-09-01

Coop Technical Senior — Computer Infrastructure & Integration Testing

- · Wrote Bash scripts to expedite deployment and integration processes
- · Developed, tested, and documented backup procedures for servers, diskless & iSCSI disk-based nodes
- · Worked alongside Sr. Engineers in development of Cisco IOS applet to monitor CF cards containing critical ship status information
- · Wrote VBA script to categorize 4000+ pieces of equipment for proposal
- · Refreshed firmware update procedure deployed to soldiers and used on 100+ systems within LM
- · All work used on US Government Secret classified systems

## **Notable Side Projects**

2015-08-25 O PNRG (Poorly Named Resume Generator) — Templated resume source generator

Goal: Reduce effort required to maintain multiple parallel resume formats

Status: In-use, not-vet published Future: Under active development

2015-01-09

**Rush** — POSIX shell implementation in Rust

Goal: Teach myself Rust

Status: Basic functionality complete; parser not complete

Future: Development on-hold, pending free time and Rust maturity

2011-05-04 *Textspansion* — Text expansion for Android devices

Goal: Add missing features to Android ecosystem while learning Android dev paradigms

Status: Released June 2011

Future: Development on-hold indefinitely

# Sean Barag

**Education** 

**Drexel University** in Philadelphia, PA BS in Computer Engineering BS in Electrical Engineering (Electronics) Minor in Computer Science

Graduated: 2013-06-13 Cumulative GPA: 3.58 | In-major: 3.63