Sean Barag

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Experience

2015-04-02 — Present
Amazon.com in Seattle, WA
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 — 2015-04-02
Amazon.com in Seattle, WA
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 — 2012-09-01
Lockheed Martin MS2 in Moorestown, NJ
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 — 2011-09-01
Lockheed Martin MS2 in Moorestown, NJ
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

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