

Chase Garner

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WORK HIGHLIGHTS

Amazon.com, Inc. – Tempe, AZ March 2019 – Present

Software Development Engineer - Brand Program

- Refactored the backend service for the Brand Dashboard on Seller Central, improving latency in some REST calls as much as 3x for end users.
- Developed a search keyword optimization service to help brand-owning sellers gain visibility on Amazon.com.
- Modularized and simplified code throughout team-owned packages to increase developer productivity and enhance product-wide stability.
- Participated in OnCall, accepting 24/7 responsibility to respond to all high severity events, once every seven weeks.

128 Technology, Inc. – Burlington, MA June 2016 – May 2018

Software Engineer - Systems + Router Datapath

- Continually improved and added functionality to the 128 Technology Networking Platform (128T) command line interface. Contributions include command search, configuration search/replace, configuration import/merge, asynchronous notification support, user account management, dynamic remote procedure call construction, and user interface enhancements.
 - Co-authored a tool to automate 128T deployment. In typical use cases, it accelerated product setup speed by ~80%. Also developed unit tests and integration test suites surrounding the entire 128T install and initialization process.
 - Added IPv6 extension header support to the 128T router pipeline, and implemented initial deep packet inspection of fragmented IPv6 packets.
 - Performed Python refactors throughout the entire codebase to make modules more testable, easier to reuse, easier for other developers to understand, and more “Pythonic”.
 - Identified and fixed bugs described in reports filed by end-users and field engineers.
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SKILLS

- Python, Java, C/C++, Typescript/Javascript
- REST, HTML, CSS, XML, React + Redux, some SQL + NoSQL
- git, UNIX utilities, AWS, linters, build setup + config
- Agile, Test-Driven Development, Issue Tracking, Continuous Integration/Deployment

EDUCATION

- Bucknell University + The University of Auckland – B.S. Computer Science 2012 – 2016