

**Nishanth Prakash** [nishanth.prakash@gmail.com](mailto:nishanth.prakash@gmail.com) - (520) 265-7167

## Summary

A dynamic, passionate, highly motivated software engineer with demonstrated ability to apply creative problem-solving skills, excel in and learn new technologies. Strives on delivering high quality software products on time.

## Key Skills

Java, C#, Python, JavaScript, HTML; Object-oriented Design, Design patterns, Micro-services architecture pattern, n-tier scalable systems; Web Services, REST, RabbitMQ, Maven; JBoss, Tomcat EE, Dropwizard; Agile development; Eclipse, Visual Studio, Git, Jenkins; Junit, PowerMock, Jacoco.

## Work Experience

### Distributed File System Protocol Team, Hewlett Packard Enterprise, CO

Aug 2016- Present

- Software Engineer for a team working on Distributed File System Protocols on storage array.
- Design, develop and test asynchronous REST web services to handle file system protocols such as NFS, SMB, and Http.

Environment: Java, Python

### Hyper Converged Infrastructure Team, Hewlett Packard Enterprise, CA

Feb 2016-Aug 2016

- Software engineer for a team working on Hyper converged infrastructure. Responsible for designing and developing the lifecycle management of a single node cluster on hyper converged systems.
- Design, develop and test highly efficient messaging queues that helped in building the application into independently deployable micro services to connect and scale.

Environment: C#

### VMware vCenter Management Plug-in Team, Hewlett Packard Enterprise, CA

June 2015-Jan 2016

- Software engineer for a team creating VMware vCenter plug-in for managing and deploying HPE storage products like virtual storage arrays.
- Designed and developed highly efficient and scalable REST web services to manage multiple virtualization environments and reduce the server response time by 20%. Designed, wrote and tested a new software features for VMware vCenter plug-in.
- Identified as top performer in annual review (2015) for delivering highly maintainable software.

Environment: Java

### Software Engineering Intern, Hewlett Packard Enterprise, CA

May 2014-August 2014

- Responsible for developing a device provider that monitors and manages HPE Storage System using the SMI – S (Storage Management Initiative Specification) interface. This device provider is currently being used by HPE Storage VMware Ecosystem Integration team.

Environment: Java

### Autonomic Computing Lab, Dept. of CE, University of Arizona

August 2013-May 2014

Graduate Assistant

- Assisted in designing a robust plugin (Insider Threat Detection and Protection) to Nagios, an open source computer system monitoring software application, which detects malicious threats to an organization that comes from people within the organization. Designed a feature to alert the users when things go wrong and notify them a second time when the problem has been resolved.

Environment: Java

## Academic Projects

### Forward Chaining Search in Blocks World, AI, Dept. of Computer Science

Sept 2014 - Nov 2014

- Responsible for developing and populating data structures given any input file containing initial and final state of blocks. Implemented forward chaining search algorithm to traverse from initial state to the goal state by using the available data and creating a set of predetermined sequential plans.

Environment: Java

## Education

University of Arizona, Tucson, AZ

May 2015

Master of Science, Computer Engineering

GPA - 3.6/4.0