**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, AngularJs; Agile development; Eclipse, Visual Studio, G­­­it, Jenkins; Junit, PowerMock, Jacoco.

**Work Experience**

**Network Analytics Engine, Aruba Networks, CA Nov 2017- Present**

* Software Engineer for a team working on Network Analytics Engine, an anomaly detection framework which offers monitoring and alerting services on a network device such as a switch.
* Design, develop and test solutions scripts which monitors and provides troubleshooting capabilities for specific system and network configuration use cases.

**Environment: Python**

**File System Protocol Team, Hewlett Packard Enterprise, CO Aug 2016- Oct 2017**

* Design, develop and test asynchronous REST web services to handle file system protocols such as NFS, SMB, and Http.
* Contributed in designing and developing fully automated solutions which enable to build, deploy and monitor the application.
* Design, develop and test a caching mechanism to cache file owner’s metadata from an Active Directory server.

**Environment: Java, Python**

**VMware vCenter Management Plug-in Team, Hewlett Packard Enterprise, CA June 2015- July 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 new software features for VMware vCenter plug-in.
* Designed, developed and tested highly efficient messaging queues that helped in building the application into independently deployable micro services to connect and scale.
* 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**

**Graduate Assistant, Autonomic Computing Lab, Dept. of CE, University of Arizona August 2013-May 2014**

* Assisted in designing a robust plugin 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**

**Education**

**University of Arizona, Tucson, AZ May 2015**

Master of Science, Computer Engineering GPA - 3.6/4.0

**M.S.Ramaiah Institute of Technology, Bangalore June 2013**

Bachelor of Science, Computer Engineering GPA - 3.8/4.0