Pratik Palashikar

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Education

Masters in Computer Science **Graduation date: May 2017**

- University of Texas at Arlington GPA: 3.97/4.0

Bachelor of Technology in Computer Science **Graduation date: May 2012**

- Walchand College of Engineering, India GPA: 7.24/10

Technical Skills

- Programming Languages : Java, Python, C++
- J2EE frameworks : Spring-MVC, Spring-Batch, Spring Boot, Hibernate, myBatis
- Databases /Tools : MySQL, NoSQL (Parse-MongoDB), SQLdeveloper
- Mobile Platform : Android, Cordova, Ionic
- Web Frameworks : Django, Flask
- Web Technologies : AngularJs, JSF, JSP, HTML5, CSS, Bootstrap, JavaScript
- Operating System : Windows, Linux, Mac
- Version Control : Git, SVN, Bitbucket
- Cloud Platforms : Parse, Amazon AWS, Microsoft Azure, IBM Bluemix, Redis
- Servers : JBoss, Apache, Tomcat
- Project build tool : Maven
- Continuous Integration tool : Jenkins, Team City
- Web Services : SOA, REST
- Apache Frameworks : Apache UIMA, Apache Lucene, elastic search

Work Experience

Software Developer Internship, Masimo Corporation (3 months) **May 2016 – August 2016**

Project: MICT (Masimo Instrument Configuration tool)

- Worked on adding new functionalities for MICT. Implemented new set of APIs for reading and writing profiles, network configuration and maintaining backward compatibility with the devices. Python scripting for upgrading the devices over the network and enhancing the console UI. Used tools like **Microsoft visual studio**, **SVN**, **Jenkins** for developing, deploying and maintaining the code. Languages used **C++** and **Python**.

Associate Research Assistant, University of Texas at Arlington (4 months) **Nov 2015 – March 2016**

Project: Claimbuster

- Worked on web module to implement the social login functionality using the python-social-auth libraries. Development of the discussion forum for the claimbuster project. Deployed the code on the Linux server and tested the same in real environment. Gained experience on **Django framework**, **Python**, **HTML5**, **JavaScript**, **JQuery**, **SVN**, **Linux server**.

Software Programmer Accenture (3 years) **Oct 2012 – Aug 2015**

Project: Intelligence management (Software Programmer)

- Designed and developed functional and technical documentation. Used JMock framework for unit testing. Developed "Intelligence report" generation modules and was module lead for "Task reminder & escalation module". Written MySQL complex queries for Advance search module and used "**Elastic search**" technology. Involved in the overall lifecycle of product. Tools and languages used: **Java**, **Spring, Hibernate**, **JSF** (**Primafaces components**) for UI, **Git**, **Jenkins**, **JBoss Server** and code quality analysis tools like **Sonar**. Used **Spring3.2** for dependency injection, **Maven** for dependency management, **spring batch** to execute the batch process.

Project: Work and Pension System for UK Government (Associate Software Programmer)

- Worked as a part of the enhancement team major work was to test the flow of the application and to make changes in java code. Worked on defect fixing with zero tolerance for reopen. Tested the application using the automated testing tool **selenium**. Performed the regression testing and the performance tuning for the application.

Academic Project

Project: Java Scalable Application **Jan 2017**

- Harnessed the power of Google App Engine, learnt best practices for using cloud endpoints to create RESTful Web Services.

Project: IBM Bluemix Web App using Cloudant NoSQL DB **Feb 2017**

- Maintaining version history of each file stored on cloud by using database on IBM Bluemix.

Project: TOIF – PMD Adaptor **Nov 2016**

- Built an adaptor for TOIF using the existing OSS SCA tool PMD, to run against the Juliet test cases.

Project: MavAdvising tool **March 2016**

- Implemented functionalities booking advising session, managing the advising session for different advisors. Applied different design pattern according to the problem faced while development. **Technologies used: Java, Maven, JavaScript, JSP, Apache Tomcat Server**.

Project: Hadoop Implementation **Sep 2015**

- Implemented the Mapper and the Reducer in Java to take the averages of the different weather parameter during the daytime over a period of month then ultimately converging it over a period of year. **Technologies used Hadoop framework, Linux**

Project: Transaction Management **Oct 2015**

- Implemented the two-phase locking protocol in **C** and **C++,** used the pthread to create the different transactions and granting them permission to read and write, synchronized using locking mechanism. Created the virtual processes using the pthreads to make it act like individual transaction competing for the lock. Worked on the removal of the deadlock from the transaction schedule if deadlock is detected. **Technology used: C, C++, Unix/Linux, pthreads**

Project: Hybrid Web App **Jan 2016**

- Worked on the development of the hybrid web application using **Angular, Ionic and cloud platform (SaaS) parse**. Gained experience on using **webRTC** for video and audio streaming.

Project: Fabric Texture Analysis Using Computer Vision Technique **May 2011**

- Analyze the fabric patterns and measure the yarn counts. **Technology used: Java, Image filtering packages, Java AWT, Principle Component Analysis.**

Project: Serial to Parallel Conversion (High Performance Computing) **Dec 2011**

- A Serial Code is converted into Parallel Code to make it execute on different processor. **Technology used: C (Linux), OpenMP multithreading library, Cetus, Ant.**

Project: Light Balancing Technique Using Adaptive Processing **May 2009**

- Balance the illumination of light and obtain the clear text images**. Technology used: Java**