Parikshit Ajit Tiwari

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Technical Skills

Technologies: C#, Java, Javascript, Scala
Web Technologies: HTML5, CSS, JQuery, ASP .NET, ASP .NET MVC4, XML
Databases: MS SQL Server, Oracle DB

Education

University of Florida   GAINESVILLE, FLORIDA, USA
Masters degree in Computer Science [GPA : 3.94]   *August 2015 – June 2017*

Sardar Patel Institute of Technology, University of Mumbai   MUMBAI, INDIA
Bachelor of Engineering- Electronics & Telecommunication   *August 2009 – May 2013*

Work Experience

Philips Healthcare   GAINESVILLE, FLORIDA, USA
Software Engineering Intern   *May 2016 – August 2016*

- Developed a DICOM data fabricator in WPF and C#. The data fabricator created DICOM files with fake patient data which were pushed to a FHIR server. The fabricator was used to load test various Philips applications.
- The fabricator read patient demographic data from XML configuration files in order to create mock patients belonging to certain age ranges and genders.

CitiusTech IT Solutions Pvt. Ltd   MUMBAI, INDIA
Software Engineer   *September 2013 – June 2015*

- Developed healthcare IT web applications in C# using ASP .NET MVC 4.0 with HTML5, CSS and JQuery being used for the frontend and MS SQL for the backend
- Wrote stored procedures in MS SQL to grant/revoke user permissions to access certain transactions of the web application
- Developed powershell scripts to transfer data from Excel to JSON configuration files.
- Wrote unit tests using NUnit.

Projects

GradeUP

- Developed an Android application in Java which helps students form study groups and schedule meetings, by determining the common free time available to the group members
- Implemented the group functionality and the algorithm to calculate the common free time.

Secure Facebook REST API Simulator

- Implemented Facebook like REST API in Scala using Akka framework and the spray-can and spray-routing libraries
- Achieved End to End encryption using AES-128 and RSA-2048 encryption algorithms

Foodifai

- Developed an android application in Java to determine whether food is healthy or unhealthy by analyzing the image of the food.
- Utilized Clarifai's Image recognition API and Facebook's Parse API.
- The app was an official submission at Swamphacks 2016 and featured in Clarifai's blog.

Fantasy Cricket League

- Developed a web application using HTML5, CSS and JQuery for frontend, ASP .NET using C# and Oracle database as backend
- Wrote SQL queries which calculated various Cricketing parameters for a player, thus allowing users to make informed choices on the player they select

Interests

Hackathons: HackDuke 2015, SwampHacks 2016, HackIllinois 2016