

Zalak Ujjvalkumar Shah

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Education:

➤ **Northeastern University, Boston, USA**

May 2017

Top 5% Student Ranking (CGPA: 3.5/4)

Master of Science in Information Systems.

➤ **Sardar Vallabhbhai National Institute of technology, Surat, India**

May 2011

Top 15 % Student Ranking (CGPA: 6.92/10)

Bachelor of Technology in Electrical Engineering.

Competency Profile:

Software Skills : Application development, Agile Methodology, Software development Lifecycle, Legacy application architectures.

Programming Languages : C++, Java SE, PL/SQL, STL, Shell Scripting, XML, Perl.

Database Tools : Oracle 12c, SQL Server, SQL Developer, MySQL, Toad Data Modeler.

Programming Tools : MATLAB, Octave, NetBeans, Visual Studio IDE, Eclipse, Putty, Secure CRT.

Data Warehouse Tools : SSIS, Talend, PostgreSQL, Dell Toad.

Data Reporting Tools : Tableau, Qlik sense, Qlik View, Power Pivot

Web technologies : HTML, CSS, Bootstrap, XML, JavaScript, J2EE, Spring MVC, Hibernate.

Management Tools : GlobalPayPlus, WorldlinePay, HP Quality Center, CVS, SVN, Git, Bit Bucket.

Projects:

➤ **Marathon Sports Club Mobile App| Running Application[HTML5,CSS3,JavaScript, PhoneGap]**

- Developed a mobile application in PhoneGap to tracking runner's running attributes, club rankings; resulted in a one-stop application for club members running database.
- Implemented the interactive badges and dashboard in order to adapt Gamification.

➤ **SmartYou | A IOT Application[Java SE, NetBeans IDE]**

- Developed an application in Swings (Java SE) to manage person's financial, medical, household-appliances – health check-up; resulted in a one-stop app for multiple problems
- Used the Internet of Things - smart devices like FitBit, Health Bands, Heart Monitors, Smart Lightings, and Email Exchange to synchronize data of the application.
- Implemented the design pattern- Abstract factory pattern

➤ **Insurance Claims | Database Design [SQL Server, MySQL workbench, Toad Data Modeler]**

- Designed the database using MySQL of coherent tables that together capture and store all data present within the health insurance claim form;
- Used Toad Data Modeler, for modeling the entities present within the form per member per claim.
- Re-created the digitized health claims; this digitized information was analyzed for various applications and utilized in provider directory database.

Work Experience: 4 years

➤ **HSBC GLT India | Software Engineer | June 2014 – August 2015 | HSBC Bank, London.**

- Worked on *GlobalPayPlus* in order to develop sustainable banking product for HSBC Bank. It catered the SWIFT message communication messages within the HSBC core processing engine.
- Performed triage as a part of defect management, efficiently resulted in faster turn-around time for the defects more than 70%.
- Optimized the resource utilization for the weekly batch cycle, rendered a solution in form of Perl utility; reduced the batch cycle time frame from 6 hours to 15 minutes.

➤ **Atos India Pvt Ltd | Software Developer | Aug 2011 – May 2014 | Worldline, Belgium.**

- Designed and implemented solutions using technologies C++, Oracle PL/SQL, XML, and Perl which were deployed on a UNIX platform using Tuxedo as middleware with minimum/no rework.
- Restructured, optimized and integrated new features in the framework using various algorithms, STL, Data structure; reduced transaction time by over 30 %.
- Worked on the Worldline Pay product of Worldline, e-payment services in order to develop an end-to-end Integrated Payment Software Solution.
- Voluntarily conducted knowledge transfer sessions on Common Gateway Interface, Inter Process Communication for the new joiner.