

EXPERIENCE

Oracle America Inc.

Senior Software Engineer Software Engineer

Nov 2014 - Present
Mar 2013 - Nov 2014

- Worked in a team of 4 to support third party ADF applications in existing framework. The work involved developing a container to host ADF applications, allowing embedding appropriate content in authorized iframes, establishing secure communication link between different domains, managing sessions, supporting single sign on and overall providing a seamless experience for the end user.
- Worked independently on a couple of features for the web client. Implemented a feature to provide freestyle drawing support and save it as a picture. Upgraded a dated HTML text editor to CKEditor with backward compatibility with textual data created with older editors.
- Working independently on iPad application. Implemented a PDF viewer and handwriting support for signatures, native playback support for video files, touch-friendly navigation menu (later included in web client as well). Responsible for supporting all new features being developed on iPad browser and application and for uptaking latest iOS SDKs.
- Technology: **Java, Javascript(HTML/CSS), Objective-C**

Epic Systems

Software Developer Intern

May 2012 - Aug 2012

- Designed and developed an effective direct manipulation based interface to help hospital staff assess Emergency Department status quickly and take appropriate actions right away.
- Involved providing touch and vector graphics support to facilitate installations on big touch screens at triage stations and very intuitive interface so that the staff can start utilizing the tool with minimal training.
- Technology: **C#**

Intel India Pvt. Ltd.

Software Developer Intern

Jan 2011 - Jun 2011

- Developed a logging based debugging library to let developers easily create logs and figure out root cause of the issue at hand.
- Developed a GUI framework of team's existing UI to make it easily reusable and adaptable by other teams.
- Both projects helped improve team's efficiency by removing unnecessary and time-consuming tasks from developers' work.
- Technology: **C#**

TECHNICAL SKILLS

- Java, Javascript, Objective-C, C, HTML/CSS, SQL
- JDeveloper, Eclipse, XCode, Clearcase, Subversion

EDUCATION

M.S. Computer Science

2011 - 2012

Georgia Institute of Technology(Georgia Tech)

3.66 / 4.00

B.E. Computer Science, M.Sc. Mathematics

2006 - 2011

Birla Institute of Technology and Science, Pilani(BITS Pilani)

8.90 / 10.00

PROJECTS

- **Einthusan Monitor:** A solution to monitor a movie website for latest movies and also to search in existing movies using website's REST services. Published on chrome webstore with 2500+ users. Code available on Github (zambre).(Javascript, HTML/CSS)
- **Voice2Text Logger:** An application which transcribes Skype voice calls into plain text. Major components were silence detection and removal, speech to text conversion, chronological arrangement of text generating the original conversation.((C#, Python))
- **Web proxy, server and client communication:** Programmed web proxy, server and client with socket communication, shared memory communication and functionality of Remote Procedure Calls (RPC) for encryption/decryption inclusive of support for internet browser communication.((C))
- **Particle and rigid bodies simulation:** Animated particles in three scenarios; falling under gravity, constrained on circular path, constrained in a sphere with inter-particle collisions. Simulated rigid body physics for pool game with game objects as rigid bodies and implementation of colliding and resting contacts, friction, momentum, impulse, torque computations and quaternions for orientation representation.((C++))