

EXPERIENCE

Microsoft

SDE II

May 2016 - Present

- Worked on a project to create an interface(Cards) for newly supported entity values in Excel on all endpoints (Win32, UWP, Android, iOS and Web). Part of the core team responsible for architectural design of the feature. Built initial prototypes for evaluation. One of the key contributors in multiple aspects of the initial implementation. **(Java, C++, C#)**
- Implemented React Native based componentized UI for cards on Android, iOS and Win32 endpoints. This reduced development efforts for the team as more code could be shared across all three platforms. **(JavaScript/TypeScript, React Native)**
- Worked on leveraging Microsoft Adaptive Cards to support multiple layouts in cards with ease. Developed a JSON data binding solution to complement adaptive cards schema. With this work a third-party content provider can author their own card layouts without any additional code. **(TypeScript)**
- Currently working on a feature that will allow us to push updates to the cards feature faster. The details are not yet public. **(C++)**

Oracle America Inc.

Senior Software Engineer

Mar 2013 - May 2016

- 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. **(Java, JavaScript)**
- 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. **(Java, JavaScript)**
- 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) for iPad application. Responsible for supporting all new features being developed on iPad Safari and the app and for uptaking latest iOS SDKs. **(Java, Objective-C)**

Epic Systems

Software Developer Intern

May 2012 - Aug 2012

- Designed and developed an intuitive direct manipulation based interface to help hospital staff assess Emergency Department status quickly and take appropriate actions right away. **(C#)**

Intel India Pvt. Ltd.

Software Developer Intern

Jan 2011 - Jun 2011

- Worked on a couple of projects to improve the team's effectiveness like an improved logging tool and a componentized framework for easy UI adaptation. **(C#)**

TECHNICAL SKILLS

- Languages: Java, JavaScript/TypeScript, Objective-C, C/C++, HTML/CSS
- Frameworks and Platforms: React/React Native, Jest, Android, iOS, WPF(XAML)

EDUCATION

M.S. Computer Science

2011 - 2012

Georgia Institute of Technology(Georgia Tech)

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

2006 - 2011

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

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. It was published on chrome webstore with 2500+ users. Code available on Github (zambrey). **(JavaScript, HTML/CSS)**
- **zambrey.github.io:** A responsive personal webpage not using any existing responsive frameworks. **(AngularJS, HTML/CSS)**
- **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))**