

Sanjay Krishna Anbalagan

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Objective: Seeking a full-time position in an esteemed company where I can utilize and enhance my skills.

Experience:

Software Developer at Weave Visual Analytics (**February 16 – August 16**)

- Designed and implemented sessionable and Flexible Dashboard and created API to configure dashboard for clients using Javascript, ReactJS, HTML5, CSS3, Webpack, Babel, Npm
- Created Interactive Tour component, Infographic Visualization and Interactive Heat-Map and text tool for Weave 2.0 using Typescript, ReactJS, HTML5, CSS3, Grunt, Browserify, Npm.

Full Stack Developer / Research Thesis at IVPR Lab (**August 14 - December 15**)

- **Viz-Adapter:** Developed an Adapter Architecture to integrate interaction between charts of various visualization frameworks. Created wrapper API for Tableau, C3, D3 chart to use in Viz-Adapter using Javascript (IIFE pattern)
- **As~Me:** Personal Data Monitoring system to unify personal data-source through Human-API to build and share visualization for constant monitoring using ReactJS, D3, Google Drive API, JAVA Web Services and WeaveCoreJS
- Ported WeaveCore to Javascript (IIFE and Later ES6 modules) to use in AS-ME System.

Software Developer / Research Assistant at IVPR Lab (**December 09 – December 15**)

- Integration of R-Script to support analytics for visualization using JAVA, R.
- Created web-service to parse PDB file and generate JSON data-source to visualize in Ramachandran plot using JAVA.
- Worked on transcompilers for As3 to Javascript using HAXE, Apache FlexJS.
- Integration of Google Drive API in Weave to automate, save and loading of Weave Files to and from Google Drive using Javascript, OAuth2.0 for Google Summer of Code
- Developed Dynamic Table filter for Weave using Actionscript3 and Flex 4.5 Framework
- Ported Weave from Flex 3.0 to Flex 4.5 Spark to support IOS and Android version.

Web Developer for EHS Department at UMass Lowell (**August 2008 – August 2015**)

- Designed flexible, shareable and sessioned form filling application for safety inspectors to record, visualize and report using As3, Flex 4.5, Google Drive API, ASP.NET, C#.

Languages: Javascript, HTML5, CSS3, JAVA, R-Script, C, C++, C#, perl, Typescript

Frameworks: ReactJS, FlexJS, AngularJS, Flex4.5, .NET Framework

Techniques: AJAX, Object Oriented Design, Agile, Software Development Life Cycle

Database: SQL, Microsoft SQL Server

Tools(IDEs): Eclipse, Web-Storm, Adobe Brackets, Flash Builder 4.7

Education: **Doctor of Philosophy in Computer Science** (Dec 2015)
University of Massachusetts, Lowell, MA

Master of Science in Computer Science (Dec 2009)
University of Massachusetts Lowell, MA (GPA: 3.5/ 4.0)

Bachelor of Technology in Bio-Technology (June 2006)
Arunai Engineering College, Anna University, Tamil Nadu, India (GPA: 3.8/4.0)

Github: <https://github.com/sanjay1909>