Aswin Gopalan

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Education

Northeastern University, Boston, MA   **Sep 2015 – Apr 2017**
College of Computer and Information Science
Candidate for Master of Science in Computer Science **,** *CGPA* **: 3.5 / 4**
Related Courses: Programming Design Paradigms, Algorithms, Database Management Systems, Web Development ,
Fundamentals Of Computer Networking

Anna University, Chennai, India   **Apr 2011**
*Bachelor of Engineering in Computer Science, CGPA***: *8 / 10***
Related Courses: Data Structures, Object Oriented Programming with C++, Computer Networks, Software
Engineering, Algorithms, Operating Systems

Technical Knowledge

Languages:	C#, Python, C++, JavaScript, Typescript
Frameworks/Technologies:	ASP.Net, MVC, AngularJS, Jquery, Express, Passport
Web:	HTML5, CSS3, Bootstrap, AJAX, NodeJS, Express, AWS, Azure
Databases:	SQL, MongoDB
Tools:	VS2013, JIRA, TeamCity, TFS, SVN, GIT, SQL Server Data Tools (SSDT)

Work Experience

Junior Software Engineer (Co-op) – **Income Research & Management**   **Jun 2016 – Present**
- Designed a search engine for business that enabled reading, writing and modifying data to a remote server.
- Developed windows service that helped maintain a version control from windows explorer using TFS APIs.
- Migrated existing Databases using SQL Server Data Tools.
- Researched and recommended solutions to migrate existing systems to cloud.
- Learned best practices for software development through code reviews, unit tests and coding standards.

Technologies used: *Angular2, Typescript, JavaScript, ASP.Net Web API, Python, SSDT, TFS, Azure, NUnit*

Senior Software Engineer - **CGI Group Inc.**   **Jul 2011 – Aug 2015**
- Designed Responsive Applications using ASP.Net Framework for multiple clients.
- Developed RESTful and Restless APIs in C# with ASP.Net WebAPI, WCF and Web Services.
- Followed Test Driven Development practices to develop and deploy software.
- Developed python scripts to check status of FTP servers for connection issues.
- Developed Stored Procedures, functions and Triggers in SQL.
- Coordinated scrum calls for offshore development team as a part of AGILE methodology.
- Configured Continuous Integration through Team City and TFS.

Technologies used: *ASP.Net MVC, Entity Framework, WCF, Web API, NUnit, JavaScript, JQuery, SQL, XML, HTML*

Projects

Silk: **Jun - Oct 2016**
- Built an application with a search engine for IR+M with ASP.Net Entity Framework that enabled easier access to data contained in a database with three million rows. The application provided an interface for the compliance team to ensure the validity of data after an ETL process. The Front end for the application was built using Angular Framework.

Web Crawler   **Sep 2016**
- Developed a web crawler in Python that automatically gathers and traverses documents on the web. The crawler downloads all the HTML pages specified by the URLs on a homepage, and parses them looking for more hyperlinks. This process continues until all of the pages are downloaded and parsed.

America Hikes: **Jan 2016 –May 2016**
- Built a hiking website in AngularJS and JavaScript using JavaScript design patterns. The Website allows users to search for hiking sites across America, gives weather information, photos based on their search. It also allows users to register in the site and bookmark their favorite locations. MongoDB was used to store user data and Express was used to create server side JavaScript. Passport framework was used for securing the application.