

## **Michael J. Ferrari**

### **Education:**

#### **University of Massachusetts Lowell, Lowell, MA**

**08/06 to 05/11**

B.S., Business Administration, May 2011

Concentration in Management Information Systems

B.A., Criminal Justice, May 2011

Concentration in Homeland Security

Operations and Information Systems (OIS) Club, UML Riverhawks Men's Soccer Team

### **Government Clearance:** Active Secret

**Technical Skills:** HTML5, SQL, CSS3, WordPress, Java (Eclipse and NetBeans), Linux, XML, XSL, JavaScript, Python, SharePoint, Git, Maven, Ant, Microsoft Office (Word, Excel, PowerPoint, Outlook), Active Directory, Adobe Dreamweaver CS5, Adobe Illustrator CS5, Fireworks CS5, Audition CS5, Photoshop CS5, Microsoft Visual Studio, ColdFusion

**Foreign Languages:** Italian (Intermediate), Spanish (Basic), Arabic (Basic)

### **Professional Experience:**

#### **PwC (PriceWaterCoopers Public Sector LLP), Washington, DC**

**11/14- Present**

##### **UI/UX Web Developer, Advisory Experienced Associate**

- Member of PwC's US Department of State team (Public Sector Practice).
- Design and developing in HTML5, CSS3, JavaScript, NODE.js on the front end of the web application with some calls with Java(Eclipse).
- Developing in Python for generating files more quickly so we can ingest data in Database, which then feeds the API/JSON for the UI and using Git subversion to store/push code.
- Using D3.js library for map visualizations with websites, and using a SQL Server 2008 R2 on the back end for our database.
- Supporting an initiative to enhance the management of client organization's global business operations.
- Supporting strategic planning and execution of global deployment, including piloting, communications, change management, innovation, process improvement, training, and web development.
- Collaborating with teams using Agile and Test Driven Development (TDD) methodologies

#### **Zapata Technology, Aberdeen Proving Ground, MD**

**10/13 to 11/14**

##### **Software Engineer/Programmer at U.S. Department of Defense (Contract ended November 1, 2014)**

- Provide functional and empirical analysis related to the design, development, and implementation of software systems.
- Developing in the following programs with various projects; HTML, Java(Eclipse and NetBeans), CSS, for our front end application, and have a SQL Server 2008 as our database in the back end. Programming the database using XML's, transforming those XML documents to XSLT's, to be a readable document (PDF, IETMs, etc)
- Using Linux commands in Git as a subversion to store/push code.
- Analyze, and develop client/server side web based application with Java coding to provide the most up to date MIL-STD-40051
- Performed in all stages of design, development, and deployment of new Java-based vendor application system for DOD vendor.
- Set up and deployed a Virtual Machine with setting up Java, Ant, and Maven Windows Variables, creating a UNC path for a GIT Repository using Linux commands, initializing Apache Tomcat to run Web Compose app.
- Develop Test/Technical Manuals, and Stylesheets using XML/XSLT coding in Oxygen XML Editor
- Interacting with client to define business requirements and scope of the project.
- Used SQL while working with various projects, executing queries to verify information.

#### **JJJ Microsystems, Boston, MA**

**07/12 to 10/13**

##### **Systems Analyst/ Programmer at U.S. Department of Transportation (Contract ended Oct. 31, 2013)**

- Updating the US Department of Transportation FMCSA web page through Active Directory Windows 2008 servers.
- Developed in the following programs with various projects; HTML, Java, and CSS for the front end development and using a SQL Server 2008 on the back end for our database.

- Develop testing plans to ensure all programs and systems meet client specifications and needs, section standards and guidelines, and efficiency requirements using programming and systems expertise.
- Documenting maintenance and instruction manuals. Modify and enhance application systems and programs based on client requests.
- Maintain SharePoint database, set up user accounts, resetting passwords, and upload new data onto the site for internal/external document use
- Develop and Maintain applications using SQL databases by evaluating client needs; analyzing requirements; developing software systems.

**Boston Technologies, Boston, MA**

**03/12 to 07/12**

**Trading Systems Analyst** (Contract ended July 31, 2012)

- Interacted with clients via telephone, email, and third party chat regarding their queries and concerns.
- Respond to 10-20 requests a day for technical assistance in person, via phone, electronically.
- Provided support for both institutional clients and self-trading customers from all over the world while ensuring client satisfaction.
- Utilized BT Bridge software, SQL, Juniper VPN, MT4 Admin & Manager, both MS Office and Google docs suites, SalesForce, as well as several other necessary tools.
- Maintained portfolio trading systems and interfaced with all areas of the firm.
- Identified workflow/system improvements and working with supervisors and operations team to enact change.

**Technology Solutions Experts, Rosslyn, VA**

**08/11 to 03/12**

**Web Developer/ Help Desk Support at U.S. Department of State** (Contract ended on March 31, 2012)

- Updated Patches and Firewalls on all 7 Active Directory Windows 2008 servers on a weekly basis while maintained 2 websites on the U.S. Department of State domain server.
- Enhanced existing Web applications and all internal systems Developed database-driven Web interfaces on the U.S. Department of State domain. Developed in the following programs with various projects using CSS, HTML, Java for the front end development, and using a SQL Server 2008 on the back end for our database.
- Programming was 75% of my job compared to 25% for helpdesk support. I took in help desk tickets, and communicating with the customer regarding their issue and then proceeded to develop/update to fix their issue.
- Maintain SharePoint database, set up user accounts, resetting passwords, and upload new data onto the site for internal/external document use.
- Developed a new page focusing HTML to make for a new event, and uploaded new Documents/Photos to be seen on the Website in a professional and courteous manner.

**Atlantic Plywood, Woburn, MA**

**05/11 to 08/11**

**IT Assistant** (Contract ended August 31, 2011)

- Developed in the following programs with various project using a SQL Server 2008 R2 on the back end for our database, and for the front end application using CSS, and HTML. Standard Technical Support for all Atlantic Plywood employees, while maintaining records for all computers, monitors, printers, etc.
- Troubleshooting and Maintenance for all Atlantic Plywood Software packages. Exercised day to day activities such as finding a DOT approved GPS tracking device with electronic logs, setting up support ticket systems.

**Internships:**

**Textron Systems, Inc., Wilmington, MA**

**08/09 to 08/11**

**Security Officer** (Part Time)

Followed all highly confidential segments of Textron's Security Program by monitoring and patrolling offices and building floors. Used internal technical, safety and electronic systems. Tested appropriate intrusion devices, alarms and cameras which record activity and potentially warn of breaches or threats. Adhered to Textron investigative practices and standards by reporting any suspected internal or external criminal violations, suspicious incidents or security or policy violations that may become security issues.

**NameMedia, Inc., Waltham, MA**

**12/10 to 04/11**

**Intern** (Internship)

Created highly targeted search destinations with vertical domain portals that provide consumers with direct access to relevant content and advertisers. Developed new keywords; and add new images, to make the domain name become more profitable on Google and Yahoo, Used SmartName, and Keyword databases to find what words are searched most frequently and use the higher rated keywords for the domain names.