

Saad Masood
10964 Knights Road
Philadelphia, PA 19154
(215)-637-0314 (Home) (267)-850-8591 (Mobile) saadm@alumni.upenn.edu

University of Pennsylvania, Philadelphia, PA

Bachelor of Science in Engineering (Computer Science and Engineering)

Graduated: December 2013

Drexel University, Philadelphia, PA

Bachelor of Science (Computer Science)

Transferred: September 2000

HONORS:

- Philadelphia City Scholarship (1998-2001)
- College's Dean's list – (5 quarters - Winter 1999 – Winter 2000)

TECHNICAL SKILLS:

Hardware: IBM and IBM Clones, Macintosh.

Operating Systems: Windows (20xx Server/Professional, NT, XP, ME, 9x, 3x), UNIX (Linux, AIX, Solaris), Mac O/S, Dos 6.22, Rumba - TSO29.

Proficient Languages: C++, Java (Core Java and J2EE, JSP, Servlets, EJB), C, C#, VB .NET, XML, Visual Basic, SQL, ASP, VBScript, CFML, JavaScript, HTML.

Familiar Languages: Perl, COBOL, JCL, Pascal, XPath.

Software: Visual Studio 6, Visual Studio .Net 2001-2015, JBoss Developer, Microsoft Office (Access, Excel, Word, Powerpoint), CodeWarrior, WebSphere, BEA WebLogic, Apache Tomcat, JBoss, Rational Testing Suite, SQL Server, MySQL, Oracle, DB 2, Visual SourceSafe, IIS, Apache web server, Crystal Reports, Cold Fusion, Proterm, ClearQuest, 3D Studio Max, PhotoShop, PhotoDeluxe, Maple, Xilinx, Flash, FileMaker Pro, DreamWeaver, MS Frontpage, IBM Visual Age, JBuilder, Eclipse, Rational Application Developer, Git, Jenkins.

Protocols: TCP/IP, FTP, HTTP, SSL.

Frameworks: Struts, Spring.

TRAINING AND CERTIFICATIONS:

- **Microsoft Certified Solutions Developer (MCSD)** – (Completed February 2003)
- **Quick Test Professional and Selenium Training Program** (Completed January 2010)
- **SAP Business ByDesign Service Advisor Certification** (Completed February 2013)

EXPERIENCE:

AnswerNet Inc, Willow Grove, PA (September 2018-Present)

Sr. Programmer (full-time permanent)

Perform enhancements and bug fixes to C# and VB .NET based Console, Winforms, ASP .NET web forms and ASP .NET MVC, .NET Reporting, SQL Server, Entity Framework, LINQ based applications for Outbound and Inbound Call Center applications. Perform updates to lead loading applications. Implement a lead loader for Auto Lease Inspection client in C#, SQL Server 2016, Entity Framework 6. The lead loader utilizes SOAP and REST based calls to import, suppress, unsuppress, purge, cancel and update leads in vendor's dialing system. Utilize Git for source control, SQL Server Management Studio and Visual Studio 2015 and 2017. Modify Lead Loader to generate leads loaded report email by time zone. Build Excel, VBA and Excel macro based reporting tools with SQL Server and MySQL databases. Build agent scripiter for client in VB .NET. Load leads for new campaign using SQL Server 2017 and T-SQL. Run daily and weekly lead loads for different retail and non-retail clients. Supervise and mentor junior developers and scripters. Maintain a lead prioritization SOAP based web-service application.

PharmDLive Inc, Washington, D.C (Remote) (December 2018-Present)

Sr. Full stack developer (part-time)

Lead a team of remote developers through requirements analysis, design, implementation, testing, deployment and support of a web-based chronic care management and medication optimization and cost reduction application. The application is written with TypeScript, AngularJS (2.0), REST on the front-end, ASP .NET Core, MVC, Web API in the middle-tier and micro-services, Entity Framework and SQL Server on the back-end. Build class diagrams and entity-relationship diagrams.

CBA Enterprises/IT Service Group LLC, Elmwood Park, NJ (August 2017-October 2017)

Lead Software Engineer (contract-to-hire)

Write a Business Reserve Calculation Engine in C# and T-SQL. Design and program logic for a reserve status, lost reserve, last run and reserve transaction history report using Telerik, C# and SQL Server. Add indexes to certain SQL Server tables to optimize queries for reports. Improve pre-import validation logic for orders. Identify bug in download of an order file from an ftp server. Write partial code to import weights into SQL Server from an Excel file. Convert a Winforms based Order Entry application into WPF. Designed User Interface (UI). Implemented a REST web-service using C# to pull business reservation data out of a SQL Server database. Implemented a web-based administration tool using Java, J2EE, Servlet, REST, JDBC and SQL Server. Performed data migration from Access into SQL Server using SSIS. Wrote a client application for a WCF service to upload pricing, inventory and catalog data into an

e-commerce Warehouse system. Wrote a Winforms application to extract and load pricing, inventory and catalog data as XML from and into a SQL Server and HANA based SAP Business One ERP system. Developed an E-commerce website for IT Service Group LLC

Tristar Fulfillment Services, Bridgeport, NJ (June 2016-July 2016)

Sr. .NET Developer (full-time permanent)

Developed and made enhancements to rewards management web portals for cable and telecom clients. Worked with Test-driven development (TDD), continuous integration (Jenkins), Visual Studio .NET 2015, C#, ASP .NET, Entity Framework (ORM), SQL Server, HTML and JavaScript. Performed unit testing of code using built-in unit testing framework in Visual Studio .NET. Utilized SSIS for data extraction, transformation and loading (ETL). Utilized Service-oriented architecture. Worked on service layer, entity layer and user interface layers. Developed and maintained a Java based rewards management portal for a telecom client with JSP as the view, Servlets in the filter and controller layer, Spring MVC and Hibernate. Worked on search-engine optimization. Worked with SiteImprov. Designed User Interface of the applications using HTML, HTML Helper classes, JavaScript, CSS and JQuery. Utilized SSIS for migration of data to SQL Server.

Dial Connections Inc, Mount Laurel, NJ (February 2016-April 2016)

Sr .NET Developer

Migrated a Visual Basic 6 customer service agent call analytics application into ASP .NET (C#), MVC, SQL Server 2014 with Backbone.js, JQuery, JavaScript and Knockout.js. Integrated UI with service layer through REST calls. Wrote unit tests. Utilized Repository and Singleton design patterns. Designed User Interface of the application with the team. Utilized JQuery UI tab control and JQuery for DOM manipulation. Implemented voicemail, preview call dialing, hangup, callback dialing, predictive dialing and call disposition. Utilized SignalR telephony API to make telephone calls online. Wrote T-SQL queries and stored procedures. Utilized Swagger tool for testing of REST web services. Utilized CSS and Bootstrap for styling of form elements such as Buttons, checkboxes etc. Utilized Team Foundation Server for code repository, task management and user stories. Worked on full Software Development Lifecycle from requirements analysis, design, implementation, testing and deployment. Utilized SSIS for data extraction, transformation and loading (ETL). Utilized Amazon RDS for SQL Server (Amazon Web Services). Developed a Java Servlets based application. Utilized Entity Framework (ORM). Utilized SSIS for migration of data to SQL Server. Utilized SSRS for reporting.

THC Merchant Services Inc, Mission, TX (Remote)

Software Engineer (December 2015-February 2016)

Developed a bank loan processing application in Java Servlets, MySQL, HTML and JavaScript. Developed an agent commission calculation application in C#, .NET (Web Forms) and MySQL.

Department of Defense, Warner Robins, GA (June 2014-July 2014)

Java Software Engineer (contract)

Developed and maintained several Java Server Pages (JSP), Java Servlets and Oracle PL\SQL based applications. Implemented application security. Performed code changes in core Java and J2EE code including Java Servlets and Java Server Pages (JSP). Performed front-end development with Java Servlets, HTML and JavaScript. Installed and configured HP Fortify. Utilized HP Fortify for static code analysis. Utilized OWASP's ESAPI library to protect data against SQL injections and other security vulnerabilities. Implemented encryption, HTML encoding and validation through the ESAPI library and JDBC connection pooling. Replaced threads with dispatch queues. Wrote a timer bean with Home and Remote Interfaces. Worked with full development lifecycle using Agile SCRUM methodology. Utilized Git for source control. Developed and integrated user interface with controls for aircraft maintenance. Application was developed, tested and deployed on Tomcat with a Linux server. Utilized Maven for management of third-party java packages and libraries. Designed user interface (UI) of the applications using HTML, Servlets, JQuery, AJAX, JavaScript and CSS. Utilized Github and Git Manager for source control. Utilized Spring framework, Spring security and Spring boot.

QVC Inc, West Chester, PA (February 2014-March 2014)

Java Software Engineer (contract)

Worked on the QVC.com e-commerce portal using Java Server Pages (JSP), task commands, Struts, Web sphere Application Server and Web sphere Commerce Server. Worked on modifying shopping catalogues and price lists. Modified form-based user interface of the application. Implemented HTML 5 mobile keypad features into a JSP, MVC, Struts framework and DB 2 based QVC.com web portal. Worked with core Java. Performed front-end java development with JSP, HTML and JavaScript. Utilized Rational Application Developer for development. The application was tested and deployed on IBM Websphere Application Server, Websphere MQ Series and Websphere Commerce Server. Made enhancements to an ASP .NET based reporting application for system status. Utilized GitHub and Git Manager for source control.

SAP America, Newtown Square, PA (October 2012-February 2013)

Software Developer (contract)

Implemented ERP projects for small-to-mid-size SAP customers with SAP Business ByDesign SDK and ABAP scripting language. Designed and coded business object extensions and reports. Worked with ByDesign Analytics Dashboard and KPI's. Extracted product information, sales orders and knowledge base data represented by SAP Business ByDesign multi-dimensional analytical views (MDAV) via ODP and SOAP web-services. Tested the web-service with SOAPUI. Worked in an agile development environment. Gained knowledge of and worked with the Order-to-cash sell from stock, Marketing to Opportunity, Procure to pay stock, Product Engineering and Manufacturing business processes. Provide application support. Answer users and clients questions about application features and usage. Track client requests for new features.

Tradewind Net Access, Mount Laurel, NJ (August 2012-October 2012)

Web Developer (contract)

Developed a web-based application in Cold Fusion for computing and analyzing the total cost of ownership of hardware such as computers, networks and printers. Utilized JSON to pass data between components in a Model View Controller architecture. Utilized CFWheels a Model View Controller framework for Cold Fusion. Utilized Charles Proxy Debugger for debugging. Worked on user interface of the application. Generated charts from data and utilized AJAX for loading charts. Worked in an Agile SCRUM environment. Utilized JQuery for DOM manipulation, CSS manipulation, AJAX and HTML event methods. Wrote SSIS packages for ETL tasks. Wrote T-SQL queries and Stored Procedures. Worked on full Software Development Life cycle.

MDRX Research and Financial Inc, Wyncote, PA

Systems Analyst (September 2009-February 2010) (full-time permanent)

Implemented custom reports for clients with MDX, Cold Fusion and SQL Server. Ran ETL processes. Maintained an OLAP based SQL data warehouse. Utilized SSIS for data extraction, transformation and loading (ETL). Provide application support. Fulfill client requests for reports.

Wharton School of Business, University of Pennsylvania, Philadelphia, PA

Web Programmer (June 2009-September 2009)

Implemented a lab reservation application in Cold Fusion and SQL Server and a Digital Video Content Management window service application in C# (.NET) and SQL Server.

The MCS Group, L.P, Philadelphia, PA (June 2008-September 2008)

Technology Consultant

Analyze requirements for, design and develop software applications in C, ASP, ASP .NET, C#, Microsoft Access and SQL Server (T-SQL). Worked on an ecommerce web portal for ordering and delivering legal, medical and educational documents. Participated in development and testing of an Internet portal for records management, billing and invoicing. Wrote HTML, JavaScript, CSS, C# and T-SQL code. Built an application launcher using C#, Windows Forms, processes and T-SQL. Configured the web pages on IIS 6. Designed user interface of the application launcher. Utilized controls like Data lists and data grids. Used Infragistics controls for file upload and Tree control for showing directory structure from file system. Utilized Team Foundation Server for source code control. Utilized JQuery for traversing through DOM elements. Designed user interface elements with Data chart, Grid, Map and HTML grid controls. Utilized Active Directory and LDAP to connect to user accounts. Performed data migration from Btrieve to SQL Server.

Merck Pharmaceuticals, Lansdale, PA (November 2007-March 2008)

Technical Analyst (contract)

Analyzed requirements for, designed and implemented Microsoft Access and Excel based applications for various groups in the Customer Contract Management department and for the Marketing department of the company. Designed, coded and deployed reporting application for Merck's Marketing and Sales team. Developed Access-based sales ranking reporting tool with tables linked to Oracle data. Developed report on sales by sales broken up by region, district and territory in Business Objects with a database connection to Oracle data.

Rsystems Inc, El Dorado Hills, CA (September 2005-March 2006)

Application Developer (contract-to-hire)

Worked on Security Audit Tool using VB .NET, SQL Server, Active Directory and Exchange. Built a software tool for Federal, State, City and corporate landfill task compliance using VB .NET, Exchange and SQL Server. Wrote a Sales Reporting Tool using .NET, SQL Server and Crystal Reports. Designed user interface (UI). Wrote C# code to automatically login Active Directory accounts into a SQL Server based user base and create calendar appointments and send automated meeting requests to other users.

Apparatus Computers, Philadelphia, PA (September 2004-July 2005)

Application Support Analyst/System Administrator (contract)

Built and maintained Active Directory Accounts. Provided application support to K-12 schools, government and non-profit organizations for ASP, Cold Fusion, PHP, SQL Server and MySQL applications built by self.

Parexel, Media, PA (June 2004-August 2004)

Sr. Programmer (contract)

Developed a Microsoft Access based meeting tracking application. Implemented several functional and graphical enhancements to a Cold Fusion based web portal. Wrote T-SQL queries and stored procedures. Utilized SQL Server 2000. Installed and updated SSL certificates.

Marshall & Swift/Boeck, Los Angeles, CA (May 2003-September 2003)

Software Developer (full-time permanent))

Developed applications in Microsoft Access, C# (.Net), Visual Basic 6 and SQL Server 2000. Implemented a valuation scoring component for a Residential appraisal software product. Enhanced a Visual Basic and SQL Server based application for researching building costs. Developed a SOAP based web-service for insurance clients to synchronize property data with MSB proprietary database. Wrote a testing tool in C# for a SOAP based .NET web-service. Performed code reviews. Developed reports for clients in Crystal Reports. Implemented enhancements to an EJB and core java based application deployed on Weblogic application server with an Oracle 11G backend.

Legacy Photographics, Narberth, PA

Database Consultant (March 2002-April 2003)

Developed and maintained a Microsoft Access database for budgeting, payroll, invoicing, event scheduling and sending automatic email reminders. Utilized VBA and OLE Automation.

Apparatus Computers, Philadelphia, PA (September 2001-May 2003)

Web Developer (contract)

Developed and maintained a school information management system in ASP, Cold Fusion and SQL Server 2000. Wrote sql stored procedures and queries with inner and outer joins to retrieve, insert and update student, employee information, student attendance records and generate reports for the city and state school boards. The data relations were normalized to 3NF. Wrote ASP (VBScript) code to extract data from, insert data into and update data in a SQL Server based data warehouse. Implemented an online product clearing house system in PHP, MySQL, HTML, CSS, JavaScript on a Linux server. Utilized shell scripting. Wrote T-SQL queries and stored procedures. Migrated school information management system into ASP .NET.

ProServices Inc, Trenton, NJ (June 2002-Sep 2002)

Software Engineer (internship)

Scoped, analyzed requirements for, designed, implemented, tested and deployed a proprietary software testing tool in Core Java using IBM Visual Age as the development tool. Implemented Swing based interface. Performed unit testing with JUnit. Extracted, inserted, updated and deleted data from a Microsoft Access and an Oracle database. Authored and won project proposal for government customer. Performed unit testing.

University of Pennsylvania, Center for Community Partnerships, Philadelphia, PA

IT Help Desk Analyst – part-time (June 2001-September 2001)

Assisted religious organizations and non-profit organizations with computer software and hardware related issues. Implemented databases in Microsoft Access.

Children's Hospital of Philadelphia, Philadelphia, PA

PHP Developer – part-time (January 2001-December 2001)

Implemented a PHP, Linux, MySQL, HTML and JavaScript based application for analyzing protein molecules. Implemented search and molecule linking features. Utilized shell scripting.

Care Science Inc, Philadelphia PA (June 2000-October 2000)

Software Engineer (internship)

Analyzed and performed testing of a healthcare quality analytics application in C, Perl, Pro SQL and Oracle PL\SQL. The software product's purpose is to reduce hospital operational costs, patient re-admissions, mortalities and disease co-morbidities. The application uses a stratified multiple variable regression model to calculate risk scores to patients' health. Partially migrated the application from C and Perl into Java Servlets.

Drexel University, Philadelphia PA

Teaching Assistant - Programming (March 2000-June 2000)

Presented labs. Graded exams, labs & homework projects. Held office hours to assist students. Aided professors in course planning.

Aetna US Healthcare, Fort Washington, PA (September 1999 - March 2000)

Software Quality Analyst (Drexel Co-op)

Improved the quality of mainframe and Visual Basic based applications as a QA team member. Identified 2-digit dates in COBOL programs to test and mitigate Year 2000 issues. Designed forms, queries and reports for a Budget database in Microsoft Access for the QA team. Wrote and executed test plans and test scripts. Learnt Java.

Korman Center, Drexel University, Philadelphia, PA

Lab Consultant (June 1999-August 1999)

Assisted students with computer software and hardware related issues, printing and scanning.

COURSEWORK:

- C++ Programming I, II
- Data Structures
- Introduction to Algorithms, Randomized Algorithms
- Physics I, II, Chemistry I, Astrophysics
- Probability and Statistics I & II
- Calculus I, II, III, Algebra
- Digital Systems Organization and Design - Theory and Lab
- Senior Design I and II
- Web Design, Development (HTML, JavaScript, CSS) Graphical User Interfaces.
- Intermediate Micro & Macro Econ, International Economics, Econometrics, Financial Accounting