

Solomon Jones
solomonjones2004@yahoo.com
Kankakee, IL

Summary:

- Software Developer with over 4 years of real-world experience in all phases of SDLC.
- Solid knowledge of Object-Oriented concepts, Java EE best practices, and design patterns.
- Experience with large code bases utilizing Functional, Regression, and Performance testing.
- Research experience in Bioinformatics, specifically Structure Prediction & Sequence Analysis.
- Experience in Education as a TA & as an instructional aide in both university & high school settings.

Education:

Master of Science: Computer Science, 2006

DePaul University, Chicago, IL

Bachelor of Science: Computer Science, 2004

Illinois Wesleyan University, Bloomington, IL

Technical Skills:

Programming: Java, VB.NET, SQL, MATLAB, C++

Web Technologies: JSP, Servlets, ASP.NET, XHTML, JavaScript, CSS

Frameworks: Struts, .NET

Databases: Oracle, SQL Server, MS Access

Source Control: CVS, SVN, StarTeam

Professional Experience:

Company: Educational Testing Service (ETS)

March 2015 – December 2021

Role: Online Rater

[*Certified: CAASPP-Math*]

- Score test-taker responses and/or other works submitted via ETS online portal.

Company: Cognizant Technology Solutions (CTS)

Tampa, FL

Role: Application Developer

January 2012 – December 2013

Project: Executives' Healthcare - Team Lead (5)

[*Certified: ADP-II Clearance*]

Description: An application utilized by corporate executives to access health-related information.

- Designed front-end software enhancements & modifications in both JSPs and Velocity Templates.
- Implemented defect corrections and exception handling code utilizing Chordiant framework.
- Implemented validation checks on client-side, reducing work & improving security on back-end.
- Created stored procedures for newly adopted products in DB2.
- Documented analysis on reported system errors and utilized shell scripts to track system errors.

Project: Employee Dental / Corporate Dental

[*Certified: ADP-II Clearance*]

Description: Web applications utilized by customers / corporations to access dental information.

- Developed EJBs & redesigned business process algorithms to improve performance using Struts.
- Wrote unit test cases & technical design documents for code modifications.
- Supported several corporate web applications that dealt with TRICARE and other sensitive data.

Environment: RAD, WebSphere, HWSI Webservices, XML, JSP, Servlets, JUnit, Log4J, JavaScript, Velocity Templates, FreeMarker, Struts, Chordiant, AQT, StarTeam, JDBC, Oracle, DB2.

Client: Northeast High School

Philadelphia, PA

Role: Instructional Aide

August 2011 – December 2011

- Partnered with local high school teachers to implement new teaching methods in Biology & English.
- Drafted lesson plans and assignments incorporating information technology into the curriculum.

Client: Temple University
Role: Teaching Assistant

Philadelphia, PA
August 2008 – May 2011

- ASP.NET Application Development *course*.
- Probability Theory and Statistics *course*.
 - Instructed labs, lead recitation and review, created lesson plans.
 - Graded projects and assignments and assisted students with debugging during lab sessions.

Role: Researcher - Center for Data Analytics & Biomedical Informatics

Project: Secondary Structure Prediction

- Developed program in MATLAB to introduce rounds of random mutations in EC6 – Ligase group to investigate the percent of order/disorder change, searching for conserved regions.
- Conducted deep analysis on the content & stability of secondary structural change after rounds of mutation on protein sequences selected from NCBI & PDB databases.

Role: Researcher - Center for Data Analytics & Biomedical Informatics

Project: Amino Acid Enrichment

- Developed program in MATLAB to search through protein sequences to find and analyze features of positive amino acid sequences in relation to specific domains.

Role: Android Developer

Project: Mobile App for Autism Therapists

- Built a mobile app that provided data collection, analysis, & report generation for therapists.
- Incorporated features such as speech recognition, speech-to-text, video recording into mobile app.

Role: Database Developer - Center for Social Policy & Community Development

Project: Adult-Students' Career Pathways

- Created a database application that recorded adult-student's grades and progress in MS Access 2010.
- Tracked demographics, employment information, & personal information, compliant with HIPAA.

Company: AT&T

Chicago, IL

Role: Java Developer

January 2007 – July 2008

Project: United Way – Team Lead (3)

Description: A website utilized by AT&T regions & partners to record fund-raising events.

- Engineered and implemented front-end presentation logic using JSP, JSTL and JavaScript.
- Developed and exposed web-services to supporting client applications.
- Prepared High Level Design and Low Level Design documents.
- Designed Functional Requirement Documents, Case Diagrams, & accompanying UI documents.

Project: Project Management Resource Tool

Description: An internal application utilized by project managers to manage/track projects.

- Developed user screens, group-level accounts tab, and admin panel using JSTL utilizing Struts.
- Involved in user requirement sessions to understand business requirements.

Project: Robust Merger of Intranet Resources

Description: An internal application combining company resources accessed through the intranet.

- Developed user pagination, sorting options, and various user enhancements using JSP and JavaScript.

Enhancement/Maintenance - Corporate Web Sites

- Maintained and delivered requests for front-end corrections and updates for 10-15 corporate websites.

Environment: JSP, Struts, JSTL, JavaScript, CSS, HTML, JDBC, Oracle, TOAD, RAD, J2EE, SOAP, XML, CVS, Log4J.

Awards & Leadership:

DePaul University Chancellor's List, Autumn 2004 – Winter 2006.

Illinois Wesleyan University Dean's List, Spring 2004.

Varsity Football, 2000 – 2003, *Captain* - 2003.

NSF Fellow (Teaching Grant), *Grant Recipient*, Fall 2011.

Illinois Wesleyan University Admissions Office, *University Tour Guide*, Fall 2002 – Spring 2004.

DePaul University – School of CTI (now CDM), *Graduate Assistantship*, September 2005 – Dec. 2006.

Temple University Writing Center, *Writing Advisor*, Fall 2010 – Spring 2011.

Black Student Union (BSU), 2001- 2003, *Vice President* - 2003.