Shawn Rowley

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💼 Work experience

10/2016 – present
Gaithersburg. MD, USA

Software Engineer Staff/Software Engineer IV
Leidos Corporation Inc.
- Lead Engineer of a 6-8 member team responsible for the new design, development and integration of various software products.
- ScrumMaster responsible for ensuring proper practice of agile methodologies.
- Implemented secured software solutions for processing large amounts of data and communicating with external interfaces.
- **Technologies: Java, VueJS, RESTful APIs, Oracle, C++, ElasticSearch**

10/2015 – 10/2016
Herndon, VA, USA

Software Engineer Staff
Lockheed Martin
- Designed the configurable web service architecture used to execute image analysis and other processing on the backend server-side.
- Implemented data structures, web services and human interface for file upload/downloads, image process execution, and reporting of metrics.
- Received a **SRA** (Service Recognition Award) for the completion of web platform image analysis software integration.
- **Technologies**: Java, ExtJS, HTML5, RESTful APIs, C++.

01/2011 – 10/2015
Merrifield, VA, USA

Associate Principal Software Engineer
Logos Technologies Inc.
- Lead Software Engineer responsible for the successful development and deployment of the new image capture software system for the second generation of Kestrel, a persistent surveillance system.
- Designed and developed the Video Viewer Controller software module that allowed the various Kestrel software processes to be controlled by a component embedded within a geospatial program.
- Developed a geolocation component which enabled the slewing of external sensors to specified coordinates.
- Implemented programs to perform imagery analysis for algorithm development.
- **Technologies: Java, C++, Python, C#, MATLAB**

05/2005 – 12/2010
Washington, DC, USA

Software Architect, Senior Software Engineer
Fund for Peace
- Architected and developed in-house software assessment tools used for collecting and compiling large sets of data from various data sources.
- Created multiple web applications used to collect users' analytical inputs.
- Implemented social analysis algorithms applied to data collected to produce reports for various high-profile clients and for an annual assessment of Failed States featured in Foreign Policy magazine.
- **Technologies: Java, JavaScript, JQuery, MySQL, C#, HTML, SOAP.**

11/2003 – 05/2005
Washington, DC, USA

Lead Software Engineer
Lockheed Martin Information Technology
- Project(s) Lead Engineer responsible for the conversions of existing software platform to IFECS (Integrated Federal Employee Compensation System) a multi-tier system integrating diverse technologies
- Responsible for the design, architecture and implementation of other major programming aspects and existing software applications of the legacy

Work experience

compensation system into IFECS.
- **Technologies: Java, Delphi, XML, SQL, IBM DB2**

05/2001 – 11/2003
Washington, DC, USA

Sr. Software Engineer
ACS Government Services
- Software Engineer responsible for the development of the Nurse Rehabilitation Tracking System (NRTS) and other products, re-engineered to a OOD.
- Designed and developed the NRTS data conversion program, awarded the **ACS Technical Excellence Award** for the implementation.
- Promoted to role of Lead Developer responsible for maintenance and the implementation of enhancements.
- **Technologies: Java, Delphi, SQL**

11/1997 – 05/2001
Silver Spring, MD, USA

Software Engineer
ADP Benefit Services
- Lead Engineer responsible for future design, implementation and deployment of the benefit outsourcing system to other ADP locations.
- Established business architecture to be used in all interfaces (desktop, IVR, and Web) to the benefit outsourcing system.
- Designed and implemented export manager program which allowed end-users to configure and schedule data exports to other application for reporting.
- Worked with web development team on client interface to the benefit outsourcing system.
- **Technologies: C++, Delphi, PHP, ASP**

03/1997 – 11/1997
Columbia, MD, USA

Software Consultant/Developer
Maxim Group Consulting
- Designed and developed the dynamically generated human interface used for tracking and maintaining various Fortune 500 companies employee benefits.
- Consulted with end-users and client management teams to develop design specifications for the human interface.
- Software implementation was utilized in other aspects of business for reporting.
- **Technologies: C++, Delphi**

11/1996 – 03/1997
Hunt Valley, MD

Software Developer
Advanced Paradigm
- Team member of a web development project allowing access to in-house databases from the internet.
- Developed programs and scripts to help automate office applications processes and data loading.
- **Technologies: Visual Basic, ASP, Sybase**

08/1995 – 11/1996
Baltimore, MD, USA

Software Developer, Technician
Alpha Group (Invoke Systems)
- **Project: Contact-Open:** Core team member in developing Contact-Open, a client-server contact management program integrated with DOCS Open document management program
- Designed and developed the System Administration Tool, a separate application provided with Contact-Open for maintaining users, groups, categories, and configuration of database(s).
- **Technologies: Delphi, C++, SQL Server**

Education

09/1990 – 05/1995
Towson, United States

Computer Science | Bachelor of Science
Towson University
Earned a Bachelor's Degree in Computer Science

Skills

LANGUAGES

Java

JavaScript

C++

Python

TypeScript

C#

PHP

Golang

OPERATING SYSTEMS

Windows

Linux

macOS

VERSION CONTROL

Git

Subversion (SVN)

WEB

HTML5

CSS3

XML

DATABASES

Oracle

MySQL

SQL Server

MongoDB

FRAMEWORKS

VueJS

React

Angular

Express

NodeJS

Spring

SERVER SIDE

NodeJS

Apache/Tomcat

IIS

Awards

ACS Technical Excellence Award
ACS

Lockheed Martin Service Recognition Award
Lockheed Martin