



# Shawn Rowley

**Address:** 9524 Watkins Road, Gaithersburg, MD 20882

**Phone number:** (443) 797-7550 **Email address:** shawn.a.rowley@gmail.com

**Web:** <https://shawnrowleyio.herokuapp.com/>

**Github:** <https://github.com/shawnrowley>



## 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

### 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++
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
	Python	TypeScript	C#
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
	PHP	Golang	
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	
OPERATING SYSTEMS	Windows	Linux	macOS
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
VERSION CONTROL	Git	Subversion (SVN)	
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	
WEB	HTML5	CSS3	XML
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
DATABASES	Oracle	MySQL	SQL Server
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
	MongoDB		
	<div><div></div><div></div><div></div><div></div><div></div></div>		
FRAMEWORKS	VueJS	React	Angular
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
	Express	NodeJS	Spring
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>
SERVER SIDE	NodeJS	Apache/Tomcat	IIS
	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>	<div><div></div><div></div><div></div><div></div><div></div></div>



## Awards

- ACS Technical Excellence Award  
ACS
- Lockheed Martin Service Recognition Award  
Lockheed Martin