
Glen R. Goodwin

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Experience

October 2013 to Present

(Converted from VSTI employee to parent SAS company in October 2013)

Chief Architect & Distinguished Software Engineer, SAS Institute inc, Ellicott City, Maryland

- Chief Architect for the SAS Cybersecurity product line overseeing technical vision from inception to release.
- Served as Engineering Lead for User Interface, Services (API), Persistence (ElasticSearch), and Enrichment teams structured around technical layers.
- Acted as Lead Researcher for new implementations and technology experiments advising senior management on feasibility and direction of the SAS Cybersecurity product and related initiatives.
- Designed and implemented backend and frontend technologies for the entire product from conception to delivery using NodeJS, Java, Groovy, JavaScript, TypeScript, and Angular.
- Planned and implemented project standards (Language Standards, Build System) and processes (Agile, Kanban, Semantic Versioning) for entire Engineering team to ensure an organized, highly functioning team.
- Advised on all aspects of the product including deployment, installation, operations, scaling, testing and documentation.
- Championed engineering initiatives, objectives, and goals across all aspects of the product and product management.

October 2008 to October 2013

User Experience Technologist & Principal Software Engineer, Vision Systems & Technology Inc., a SAS Company (VSTI), Ellicott City, Maryland

- Served as UI Team Lead and project Technical Expert actively participating in all aspects of leadership from management to architecture to mentoring.
- Design and implementation of complex, dynamic and robust user interfaces and complex visualization for customers using NodeJS, JavaScript, HTML, CSS, Groovy, Grails, Servlets, REST, Web Technology concepts.
- Regularly advised as a Full Stack Engineer on all facets of the technology stack from OS to Build/Configuration to Data services.
- Lead User Interface design and development across multiple projects.

November 2006 to October 2008

User Experience Technologist, DDK Technology Group, Chantilly, Virginia

- Designed and implemented cutting edge User Interfaces in support of federal government technology efforts leveraging HTML, CSS, Javascript, Java Servlets, JSP, XML, and XSL in an Ajax Methodology.
- Served as mentor in Web Technology Concepts, Ajax Methodologies, JavaScript, and Cross browser integration efforts.
- Provided expertise and advice to multiple projects and teams throughout development life cycle to encourage Usability and User-Forward design.

November 2005 to November 2006

(Converted from Matrixx Group contractor to Mcdonald Bradley permanent employee in March 2006)

Software Engineer IV, Mcdonald Bradley, Herndon, Virginia

Software Engineer IV, Matrixx Group, Herndon, Virginia

- Designed and implemented cutting edge User Interfaces with focus on Visualization and Human Computer Interaction.
- Development of User Interface applications using Java Swing, Google Web Toolkit (GWT), Java Servlets, HTML, JavaScript, CSS, XML and XSLT.

October 2001 to October 2005

(Converted from Ajilon Consulting contractor to General Dynamics permanent employee in February 2003)

Principal Software Engineer, General Dynamics, Arlington, Virginia

Software Engineer II, *Ajilon Consulting*, Rockville, Fairfax & Arlington, Virginia

- Performed as the primary User Interface expert employing advanced Java Technologies to architect and develop critical research applications.
 - Acted as lead Java Technology Expert, mentoring other team members on Java best practices and Java related technologies.
 - Championed professional design methods across all development including Look and Feel, Localization, Accessibility, Componentization, Portability and Object Oriented Design Patterns.
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November 1999 to October 2001	<p>Senior Product Engineer, <i>Starbase Corporation</i>, Alexandria, Virginia.</p> <ul style="list-style-type: none"> • Served as primary User Interface Architect implementing several core technologies using Java, Java Swing, AWT, XML, RMI and Java Servlets. • Championed major usability changes across the entire product line including look and feel, localization, accessibility, and performance. • Lead product wide Configuration Management and Deployment solutions, initiating formal build and release cycle.
March 1999 to November 1999	<p>Build & Release Engineer, <i>Concept Five Technologies</i>, Burlington, Massachusetts.</p> <ul style="list-style-type: none"> • Developed technology for the installation and implementation C5's CORBA Security products on Windows and Unix platforms using Java, Ant, Perl, Javascript, and shell scripting.
September 1993 to March 1999	<p>Computer Services Coordinator/Developer, <i>Northeastern University School of Law</i>, Boston, Massachusetts.</p>
September 1985 to June 1987	<p>Computer Programmer & Audio/Visual Technician, <i>Masconomet Regional</i>, Boxford, Massachusetts. Programming work in Pascal, Cobol and VAX Basic.</p>

Computer Skills

Web Technology	Full Stack Engineering (OS to Client), Ajax Methodology, Web Technology concepts, Javascript, Node.JS, HTML, CSS, TypeScript, Angular, PrototypeJS, Scriptaculous, YUI (Yahoo Libraries), ExtJS, Scriptaculous, Adobe Flex, JSON, XML, XSLT, HTTP, Google Web Toolkit (GWT)
Java Technology	Java, Groovy, Java Swing, Abstract Windowing Toolkit (AWT), Java 2D, Grails, XML DCD, XML Schema, XSLT, Java Servlets, JSP, JDBC, Java Messaging Service (JMS), RMI, Sockets, Multi-threading, Java WebStart, Object Oriented Methodologies
Other Technology	C#, SQL, Perl, Access, Pascal, C, C++, CORBA, BASIC, FORTRAN, COBOL, 80x86/68000/RISC Assembly, Unix Shell Scripting, DOS/NT Scripting
Development Tools	Atom, SublimeText, Symantec Visual Café, Borland JBuilder Enterprise, Eclipse IDE, Microsoft Visual Studio, Platinum Technologies Harvest, Microsoft Visual SourceSafe, Microsoft InstallShield, Git, Merant PVCS, CVS, WinCvs, Subversion, Zerog InstallAnywhere, Borland StarTeam, Perforce, Subversion
Theoretical & Strategic	Web Technology Concepts, Ajax Methodology, Object Oriented Design, Compiler Design, Network Planning, Infrastructure & Strategy, Operating System Design
Operating Systems	Microsoft Windows (10, 7, Vista, XP, 2000, NT, 9x, ME, 3.x); UNIX/Linux (RedHat, Centos, Mint, etc), VAX/VMS, Apple Macintosh OS (pre OS X), Cygwin
Networking	TCP/IP, Microsoft Windows Networking, Banyan VINES, IPX, Ethernet
Hardware	PC Compatible, Macintosh, Switches, Routers, Bridges, Cabling
Applications	Apache Web Server, Tomcat, SOLR, ANT, James; Microsoft Internet Information Server, Access, FrontPage, Outlook, Explorer, Excel, Word, Visio; DBase; Lotus Notes, Ami Pro; Canvas; Photoshop, Photostyler; Macromedia Director, Fireworks; Cuacho Resin; Netscape Navigator, Mozilla Firefox

Education

September 1993 to June 1996	<p>Northeastern University. Boston, Massachusetts. Candidate for Bachelor of Science Degree in English Literature with minors in Computer Science and Education. GPA 3.40 / 4.00</p>
September 2003 to January 2008	<p>George Mason University. Fairfax, Virginia. Candidate for Bachelor of Individualized Studies in Human Computer Interaction. GPA 3.73 / 4.00</p>

Certifications and Memberships

Certified ScrumMaster
 Member: Association for Computing Machinery – Human Computer Interaction

Community

- **CharmCityJS participant**
<http://charmcityjs.com/>
- **NodeSchool Baltimore Organizer (2015 to Present)**
<https://nodeschool.io/baltimore/>
- **Conference Speaker at NodeInteractive North America (November 2016)**
The Morality of Code
<https://github.com/arei/talks/blob/master/MoralityOfCode/details.md>
- **Conference Speaker at JSConf Last Call (December 2015)**
We Are Hacks and Have Been Stealing Code for Years
with Todd Gandee
<https://github.com/arei/talks/blob/master/CreativeBorrowing/details.md>

Other Skills

Team Management, Intermediate Graphic Design and Layout, Theater Projection (unlicensed), Basic Electronics, Audio/Visual Maintenance, Technical Writing, Mad Ultimate Frisbee Handling Skills

Design Examples

Source code available on GitHub at <https://github.com/arei>.

References

Available upon request.
