

PROFESSIONAL SUMMARY

- 7+ years of IT experience with specialization in Web Development and Security.
- Experienced in all phases of the software development life cycle.
- Experienced developing different business oriented advanced web applications.
- Experienced using Adobe Design Suites creating rich attractive graphic user interfaces.
- Experienced in database development with expertise in multiple database technologies.
- Strong communication skills, both written, verbal, and artistically.
- Persistent desire to learn, acquire and adapt to new technologies and programming languages.
- Experience working directly with clients and project management.
- Thorough experience working independently and in groups, as a leader and as a member.
- Constantly involved in development community through various platforms including user group.
- Experienced acting as a full stack developer for both small and large projects.

TECHNICAL BACKGROUND

Programming Languages:	Proficient in (Node.js, JavaScript, ColdFusion, PHP, HTML5, CSS) with experience using (Ruby, JAVA, Python, C, C++)
Frameworks & Libraries:	Proficient in various JavaScript libraries including but not limited to (Vue.js, React.js, Express, jQuery) as well as various web development styling frameworks including (Bootstrap, Ink, SASS and LESS)
Technologies:	GIT, SVN, Webpack, Visual SourceSafe, IBM Rational Build forge, Compuware Gomez
Databases:	MySQL, MongoDB, MS SQL Server
Development & Design Tools:	Sketch, Photoshop, InDesign, Illustrator, Flash, Fireworks

PROFESSIONAL EXPERIENCE

NASA Goddard Space Flight Center

August 2013 – Present

SED WEB

The [Sciences & Exploration Directorate Website](#) is a public facing website and application used by thousands of NASA employees to manage and retain miscellaneous information including publications, press releases, events as well as curriculum vitae of all scientists in the code 600 directorates.

Environment: HTML, CSS, ColdFusion 11, Fusebox, JavaScript, jQuery, AJAX, REST, MYSQL, Bootstrap, ORM

Role: Lead Software Engineer, UI Designer

Responsibilities:

- Created in depth designs including mockups and animations based on business requirements for new functionality and redesign task.
 - Created new external home page incorporating data resolved from the api's of several social media sites including Flickr, Twitter, and Facebook organizing the aggregated data into a clean user interface.
 - Made several modifications and enhancements to the systems code based on security reports run by a third party vendors.
 - Converted several existing sections of the site to do real time updating with AJAX allowing for a seamless user experience.
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- Assisted in the migration of the application from ColdFusion 9 to ColdFusion 11.
- Lead in the effort of the redesign of the sites user interface by creating several mockups and developing the style sheets and graphics required for implementation.

Optimus Prime Spinoff

The Optimus Prime Spinoff site is designed to allow grade school students to submit videos based on Spinoffs dictated by the site admin. The system allows for the submission of the videos through PRIVO secure API and uploads videos directly to YouTube.

Environment: PHP, HTML, CSS, JavaScript, jQuery, REST, MYSQL, Bootstrap

Role: Part Time Developer

Responsibilities:

- Updated forms to reflect modifications in PRIVO's data collection requirements.
- Modified the REST API to send additional information to PRIVOS servers.
- Made several UI changes to enhance the sites look and feel.
- Implemented responsive design across the site using Bootstrap.

Huntington National Bank – Columbus, OH*July 2012 – June 2013*

ERA/SPA

The ERA/SPA system is a payment authorization tool available to all employees at Huntington providing them with the functionality needed to electronically submit reimbursement request for company expenses, submit payment authorization request for vendor payments as well as to provide approvals on request under the users responsible cost center. The system also provided advanced management and reporting tools for the accounts payable lead and tellers to review request, provide approvals and comments on any given request as well as advanced tracking tools for all incoming and outgoing request.

Environment: HTML, ColdFusion 5/9, Fusebox, JavaScript, Oracle R12, CSS

Role: Lead Developer, Production Support, Problem Ticket Management, Software Engineer

Responsibilities:

- Provided production support for the application and its users being responsible for several task including assisting users in understand proper system usage and helping troubleshoot issues such as broken invoice validation to incomplete high priority system processes for invoice payments.
 - Developed and implemented several new reports to help accounts payable group and risk management track several aspects of invoice ageing and unprocessed invoices/payments with several dynamic interface options.
 - Migrated the application cluster from a windows environment running ColdFusion 5 to UNIX based environment running ColdFusion 9 and modified code affected by the transition to ensure the application was operational.
 - Assisted in the Implementation of version control tools to keep track and record of all changes made to the applications code of every release cycle.
 - Created several style sheets to update the graphic user interface and theme of the application to match the standard theme of other applications used by Huntington.
 - Provided documentation on all changes and releases including functionality changes, implementation plan, testing guides and user guides.
 - Tuned and re-wrote several reporting and search queries that had known performance issues.
 - Implemented new Corporate Card Payment Authorization functionality for employees to submit payments and assign expense typed and receipts to each charge on their account.
 - Supported sever release cycles planned and emergencies, responsible for arranging testing sessions and verifying successful deployments and/or solutions.
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Signature Cards

The signature card system is a tool used by bank tellers to verify and compare a customer's signature to existing records and documentation that the bank has listed under the customer's name and or account. The application has several search parameters to allow tellers ease in finding the appropriate customer and to pull up the documents in a timely manner.

Environment: HTML, ColdFusion 5/9, JavaScript, Dojo Toolkit, Oracle R12, CSS

Role: Lead Developer, Production Support, Problem Ticket Management, Software Engineer

Responsibilities:

- Provided production support responsible for maintaining server up time and availability.
- Migrated the application from ColdFusion 5 to ColdFusion 9 both running in windows environment and verified successful migration through several testing procedures.
- Implemented new graphic user interface features to allow users to view images in dialog boxes within the open tab of the application using jQuery.
- Added additional reporting to the systems admin section to help the risk group to track individual accounts activity within the application itself.
- Setup monitoring using GOMEZ to ensure immediate notification of server interruption and track any downtime.

International Software Systems – Greenbelt, MD**August 2011 – July 2012**

Record Management Dashboard

The system was developed so the company had standard processes for Infrastructure Changes, General Request, Meeting notes, and Human Resource Information. The system went through intensive requirement changes and now provides International Software Systems with an effective record management system containing over 50 different uniquely developed interactive forms relative to the companies needs that allow users to enter report and access records and data effectively and accordingly following the needs of the company's management, employees and clients.

Environment: HTML, ColdFusion 8, Microsoft SQL Server 2005, Photoshop, Dreamweaver, JavaScript, jQuery

Role: Lead Developer, Software Engineer

Responsibilities (full life cycle):

- Documented initial project requirements and project milestones directly with project manager.
 - Lead and trained a team of 6 members through development, implementation and testing.
 - Collaborated with HR department to determine and document advanced functionality needs to manage data.
 - Developed dynamic menus, grid, and role management features to allow hierarchy roles to manage certain employees and users roles accessibility in the application from menu items to specific forms and permissions. All of the management functionality being available within the application itself.
 - Mapped out and developed back end functionality including all initially required database tables, stored procedures and scheduled task using Microsoft SQL.
 - Created a custom dynamic application grid that includes rich powerful features from row sorting, data filtering, and auto suggesting to attachments, exporting, and excel reporting. The grid includes a settings area for the grid to be completely customized by color, size, and images. With this feature all grids and content were manageable by system administrators.
 - Designed and developed company forms using CSS and HTML to submit information to relative database tables with proper cross validations and rich interactive user interface features using JavaScript and ColdFusion.
 - Provided proper user guide documentation for new users to understand the application and its various features.
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Track Environmental Technologies (TED)

Track Environmental Technologies system was developed to gather data related to facility energy and water usage from different facilities at different locations across the state. The system has the capability of reporting the data collected in several formats for any given range or facility.

Environment: ColdFusion 9, Fusebox, JavaScript, Photoshop, Microsoft SQL Server 2008

Role: Software Engineer, Developer

Responsibilities (Implementation):

- Designed and developed functionality to allow dynamic management of facilities and data reporting
- Prepared, integrated, and scripted new tables in SQL according to requirements.
- Manipulated existing queries to interact with new tables displaying data alongside other pre-existing data in the TED system.
- Designed new application images and implemented menu items into the system accordingly.

The Castle Lasertag – Bowie, MD**July 2009 – August 2011**

CLT Vest Logs and Inventory

The CLT Vest Logs and Inventory application is a tablet native application developed for employee use at the Castle Lasertag. The system allows employees to easily maintain and view operational status of all active and online laser tag vest in the facility from any tablet in the facility. It allows employees to report vest issues and keep track of vest current status all from an easily accessible GUI. The application also provides detailed logs and reports of prior vest repairs and parts inventory. As well as a built in checklist that when performed will update the vest grid with relative changes.

Environment: HTML, ColdFusion 8, JavaScript, MySQL, Oracle, Photoshop, CSS, jQuery

Role: Lead Developer, Lead design, Software Engineer

Responsibilities:

- Designed back end structure of database and tables.
- Developed special highly interactive grid for laser tag vest management that appropriately shows the vest status with images and colors that indicate vest status and allows access to vest information and reports.
- Implemented status checklist that updates vest grid when completed.
- Provided documentation and presentation for system design practice maintenance and use.

Waiver Management

The Waiver Management application was developed to allow customers to submit confidential Liability Agreements electronically from in store kiosk, mobile devices and from any web browser on any system at any time with ease. The system keeps count of customer visits and sends out promotional rewards automatically to repeat customers. This would help advertise the company and build stronger customer relations. It also allows employees to organize events with party planning tools storing logs of what employee was responsible for a particular group of people and saves their information relatively, accurately and safely.

Environment: ColdFusion 8, JavaScript, MySQL, Photoshop, CSS

Role: Lead Developer, Lead design, Software Engineer

Responsibilities:

- Prepared and presented design concept and documentation to client.
 - Created requirements documentation and assigned development task between co-workers.
 - Developed application graphic user interface and framework.
 - Designed online liability forms and administrative forms based on previously written requirements.
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- Developed client side kiosk application using animations and jQuery tools to guide customers through the process of filling out a liability waiver.
- Developed backend for employees and managers to easily access list of customers and links to relative customer information and waivers.
- Presented and provided finalized documentation for system design, practice, maintenance and use.

Silver Stars Employee Terminal

The Employee Terminal was developed to provide individual employees a unique login to access restricted section of the company's server and online sub section of the existing website. Employee login provides access to online tools such as profile management and links to company subsystems such as Inventory management, waiver management, or Payroll all from one organized portlet using one universal login.

Environment: HTML, ColdFusion 8, JavaScript, MySQL, Photoshop, CSS, Flash, ActionScript

Role: Design, Development

Responsibilities:

- Developed functionality for secure universal login for existing and new systems.
- Designed and developed graphic user interface on login pages and user profiles.
- Designed banners, content, and images in Photoshop to accompany the facilities existing theme.
- Developed Management tools for administrators to add, delete, and manage employee logins as well as view employees system usage history.
- Developed functionality settings allowing administrators to control what certain roles and employees can access.
- Provided documentation on system practice maintenance and use.

Education

- Undergraduate Degree (in progress): Attending University of Maryland University College pursuing a Major in Software Engineering and Security with a minor in Web Media
- Career Technology Education: Studied Visual Communications at the Application Research Laboratory of Howard county public school system Class of 2011

Volunteer Work

- **Oct. '10 – Dec. '11:** Coordinated a development team for designing a menu and website for the Howard county public school systems Street Fair 2011.
- **Nov. '11 – Jan '12:** Volunteer for the community action council designing, preparing, and sending out monthly E-newsletters for the Howard county food bank.
- **Nov. '14 – May '15:** Taught basic web development courses open and free to the Greenbelt community hosted by International Software Systems Inc.