Dewey C. Layman

Objective
Support an organization where my highly sought-after skills can be effectively utilized in that organization's research & design, software development, project management, and/or leadership efforts resulting in positive contributions to that organization.

Education
MS in Cyber Security *with 4.0 GPA*; May 2015
University of Alabama in Huntsville, Huntsville, AL

BSBA in Information Systems *with highest honor*; Dec 2013
University of Alabama in Huntsville, Huntsville, AL

AS in Computer Science *with honor*; Jan 1998
Hawaii Pacific University, Honolulu, HI

AA in Mathematics *with honor*; Jan 1998
Hawaii Pacific University, Honolulu, HI

Certifications
CompTIA Security+ - April 2013 - 2022
      Verification Code: 7EFWCT32VD1411FQ - http://verify.CompTIA.org
USAF - Instructor for Total Quality Management Awareness - 1996
USAF - Total Quality Management Awareness - 1993
USAF - Electronic Security Survey Technician - 1993
FAA – Private Pilot License
Licensed Private Investigator – State of Alabama

Technical Expertise
Language / Scripting / Identity Management expertise:
Java, Python, PHP, AngularJS, NodeJS, JavaScript, JQuery, Dojo, Bootstrap, Servlets, JSP, Java Tags, JSF, PrimeFaces, JDBC, RMI, JNDI, Applets, Swing, EJB, Struts, Spring MVC, Hibernate, Services Oriented Architectures (SOA), ASP, Visual Basic, C++, ADA, Assembly Language, HTML, DHTML, CSS, XML/XSLVBScript, UNIX/LINUX Scripting, Sun Identity Management, Oracle Identity & Access Management

Databases:
PostgreSQL, Oracle, SQL Server, MySQL, Informix, MS Access, AS400

Operating Systems:
Windows, MS-DOS, UNIX, Linux, OSX, iOS, Android

Professional Employment

September 2014 – Present (Huntsville, Alabama)

CipherNova, President & CEO, CipherNova is a Veteran Owned Small Business (VOSB) verified by the U.S. Department of Veterans Affairs (VA) Center for Verification and Evaluation (CVE). Computer and network security solutions and software design & development assistance is provided for various commercial and government organizations in the Tennessee Valley and across the United States. As a subcontracting company to the University of Alabama in Huntsville (UAH), CipherNova provides training in these areas to further the success of businesses and individuals. Training includes several introductory and advanced programming concepts for languages like Java, Python, C++, etc. Cybersecurity courses are also taught at UAH. In April of 2016 and May of 2017, was the highlighted instructor at UAH for outstanding instruction for the Introduction to Java Programming and Java Programming Advanced Features courses. CipherNova also has a subcontracting agreement with a company based in California programming mobile applications for mobile devices. CipherNova is on the team that provided Cybersecurity Compliance & Risk Management (CCRM) support to the Missile Defense Agency (MDA). Patented and proven vulnerability management, network penetration testing, and web application penetration testing tools are also provided to organizations that need to assess their cybersecurity infrastructure and determine if additional cybersecurity measures need to be implemented.

January 2017 – Present (Huntsville, Alabama)

Calhoun Community College, Adjunct Professor, Providing quality IT & Cybersecurity instruction to credit seeking students so they can obtain their Associate degrees. Current courses taught include, but are not limited to the following: Java programming, Python Programming, Principles of Information Assurance, Microcomputer Applications, Computer Maintenance, Introduction to Computer Programming Concepts, etc.

August 2018 – Present (Huntsville, Alabama)

The University of Alabama in Huntsville, Adjunct Professor, Providing quality IT & Cybersecurity instruction to credit seeking students so they can obtain their undergraduate and graduate degrees. Current courses taught include, but are not limited to the following: Introduction to Computer Programming in Business (which utilizes the Python Programming language), etc.

October 2018 – September 2019 (Huntsville, Alabama)

Discount Divas, Lead Developer, Leading all initiatives with respect to IT for the company. This includes the customer web portal, the inventory management system for administrators, and their iOS and Android applications. The specific functions for this position include, but is not limited to the following:

- Gathering and documenting functionality requirements and specifications and recommending best approach for backend functionality.
- Ensuring technology used supports business objectives, runs seamlessly, processes data accurately, and is maintained and secured to current technology standards.
- Maintaining knowledge of current technology standards and emerging trends in Ecommerce.
- Upgrading, maintaining, supporting, and scaling the backend and related systems to meet evolving and growing user demands.

- Working closely with cross-functional teams including Social Media, Fulfillment, Customer Service, Finance, and Intake, as well as external service providers to provide deliverables.
- Designing UX specs to ensure website functionality maximizes ease of use across all device types.
- Performing A/B testing, as needed, to validate new features and functionality.
- Maintain awareness of current security best practices and proactively implement security standards.
- Contributing to all phases of the development lifecycle.
- Troubleshooting and testing all applications.
- Screen and interview applicants for executive roles within the company.

Some of the technologies used in this role are Linux (Ubuntu), PHP (Laravel), Apache, PostgreSQL, Facebook API, Stripe API, Apple Push Notification (APNS) API, and Firebase Cloud Messaging (FCM) API. GitHub is used as the code repository and JIRA is used for bug tracking, issue tracking, and project management.

December 2016 – November 2018 (Birmingham, Alabama)
Altec, Inc., Lead Developer, Lead the activities of a team highly skilled developers in support of the J.J. Kane Auctioneers multi-million-dollar line of business. This included the public-facing user portal, the internal auction management system, and their mobile applications. Job functions of this position includes, but may not be limited to the following:

- Completing complex programming solutions when problems arise
- Interacting with users for programming specification clarification and detail
- Write technical documentation
- Participating in a team environment involving code reviews
- Providing user support for Altec associates and customers via phone, email and in person
- Perform software testing
- Tracking and maintaining constant communication with the customer from the beginning to the end of any established case, issue, or concern
- Remaining highly adaptable

Some of the core technologies used are Java, Jasper Reports, AngularJS, NodeJS, MS SQL Server, Spring. Bitbucket is used as the code repository and JIRA is used for bug tracking, issue tracking, and project management.

June 2015 – October 2016 (Huntsville, Alabama)
SpecPro Technical Services (U.S. Army Corps of Engineers Contractor), Chief Systems Engineer, Managing and participating with several project teams in support of multiple Java-based information systems used by the U.S. Army Corps of Engineers (USACE) Real Estate Programs Office. Assisting in the design, development, and testing of Java/Web applications, database objects, PL/SQL-based functions and procedures, and XML-based data transfers, and, depending upon the project, Java programming, as well as assisting in the documentation of each. Leading a team of successful individuals in the development, testing, demonstration, and maintenance of a Java-based automated, web-enabled database system known as the Real Estate Management Information System (REMIS). Responsible for the analysis of system requirements and design, as well as contributing and overseeing any required updates to documentation and for the demonstration of developed functionality for End-User acceptance. Managing and working with the database team to develop and maintain a custom Java-based database system managing

Real Property Assets and Real Property Leases for the USACE Real Estate Community of Practice.

October 2013 – May 2015 (Huntsville, Alabama)
Aleta Technologies (Calibre/IBM/DoD Contractor), Chief Technology Officer (CTO) / Lead Enterprise Architect, Lead the technical initiatives of a small cybersecurity company in the DoD space using Java / Java 2 Enterprise Edition (J2EE) based technology. Participated in the research and development of several cybersecurity prototypes. Responsible for all aspects of the development and maintenance of assigned enterprise architecture project and takes project from planning through final delivery of various Identity & Access Management (IdAM) solutions. Interface with all areas affected by the IdAM projects including end users, computer services, and client services. Define project scope and objectives and develop detailed work plans, schedules, project estimates, resource plans, and status reports. Conduct project meetings and is responsible for project tracking and analysis by introducing the agile methodology called Scrum which was adopted LOGSA-wide. Lead a group of engineers, architects, and analysts at the Army Logistics Support Activity (LOGSA) and ensure adherence to quality standards and review enterprise architecture deliverables in support of their Oracle Identity & Access Management (IAM) project. Provide technical and analytical guidance to enterprise architecture team. Direct and participate in high-level enterprise architecture analysis, evaluation, design, integration, documentation, and development. Apply high-level business and technical principles and methods to very difficult technical problems to arrive at creative engineering solutions. Recommend and take action to direct the analysis and solutions of problems. Have a deep understanding of DoD business transformation and processes, DoD organizational structure, and experience in developing briefings and responses to GAO, OMB, and executives within the department. Possess extensive knowledge of and hands-on experience with the DoDAF, the Business Enterprise Architecture and Enterprise Transition Plan, Service Oriented Architecture, and the Business Mission Area Federation Strategy and Roadmap. Lead the development of the BEA and updates to the BEA Development Methodology and Architecture Planning Guide. Familiar with the Core Business Mission and Business Enterprise Priority architecture liaisons. Guided all affiliated organizations to best practices when creating and modifying their existing Java applications as well as their IdAM frameworks which were built on a Java platform. Participated in the research and development of several prototypes.

March 2004 – September 2013 (Huntsville, Alabama)
SAIC (NASA Contractor), Lead Computer Scientist / IT Security, Managed various aspects within NASA's EAST contract as part of the Identity Credential and Access Management (ICAM) team. Was responsible for the Sun Identity Management (IdM) project called IdMAX and developed various workflows for the IdM framework, as well as provided feedback and recommendations about the assignment of tasks. In order to increase our team's skillset, instructed new technologies that were deemed beneficial to the project. Integrated several of these technologies into IdM. A few of the specific components were the Java 2 Enterprise Edition (J2EE) Java Naming Directory Interface (JNDI) API, the Service Provisioning Mark-up Language (SPML), Simple Object Access Protocol (SOAP) into IdM allowing other developers on the team to leverage this technology. The addition of these technologies was crucial in ensuring all tasks completion dates were not missed. Because of the planning, development, and implementation of the Agency infrastructure to manage the identities based on Federal requirements, received the "NASA Group Achievement Award." Due to outstanding contributions to NASA's SATERN Program (Phase I and II Implementation), was given a

"Certificate of Appreciation". Eventually transitioned the Sun IdM product to an in-house developed IdM solution using Java / J2EE & JSPs, Spring MVC, DHTML, Twitter Bootstrap, JavaScript using Dojo and JQuery which executed AJAX calls and client-side validation.

November 2002 – March 2004 (Huntsville, Alabama)
Ategra Systems, Inc. (NASA Contractor), Lead Java Engineer, Managed the continued development of the NASA Online Registration System (NORS) for NASA employees, contractors, and civil servants to access and register for various NASA courses whether onsite or offsite. The web application utilizes Java in various forms. The Jakarta Struts framework, which imitates the Model-View-Controller (MVC) design pattern, was implemented in order to ease the future maintenance of the application as well as give it structure. Java custom tag libraries were also incorporated for various elements (e.g. paging though records returned by the database). The back-end is driven by an Oracle database version 9i, and the web application runs on a windows platform utilizing Resin as the application server.

November 2001 – June 2002 (Nashville, Tennessee)
Manheim Interactive, Lead Java Engineer, Joined, as a consultant, an on-going project that utilized XML and XSL to deliver XHTML documents to the end user. It was determined that this was a bad approach, the company handling the project was no longer needed, and the new team (which included myself) decided a pure server-side J2EE architecture was a better approach. This consisted of Java servlets, Java Server Pages (JSP), Enterprise Java Beans (EJB), and JSP Tag Libraries. Development utilized the Orion web server, and the deployment utilized WebSphere. The database queries were communicated through Program Call Markup Language (PCML) to RPG programs that retrieved the desired information from an AS400 database and/or a JD Edwards database. The Client-side JavaScript architecture was built by myself for form validation, hovering pop-up layers (simulating windows) using the now standardized IFRAME HTML tag that had drag-n-drop behavior. Changing from the initial technology and going with the J2EE architecture enabled the team to rebuild the XML/XSL code with security constraints within 5 months using Java that had taken the previous company 2 years without the security exceptions programmed.

February 2000 – July 2001 (Culver City, California)
USA Network - Styleclick, Inc., Lead Java Engineer, Lead a team of developers comprised of 3 Java engineers, 5 HTML/Flash developers, and 3 graphics designers. The various e-commerce websites were built and maintained for a variety of clients utilizing Java 2 Platform, Enterprise Edition (J2EE) Web Technologies. The sites were built using the core J2EE technologies such as Java Server Pages (JSP), Java Servlets, and Enterprise Java Beans (EJB) which all incorporated bi-directional communication with the Informix databases. Also assisted the HTML developers with client-side JavaScript and VBScript algorithms in order to complete their tasks. Visual Basic code was also managed and maintained for the MapXSite software. This was used to enable interactive, map-based 'Find the Nearest/Dealer Locator' applications to be used on the web sites. In charge of delegating coding bugs, feature enhancements, scheduled tasks, etc. to the appropriate engineer or designer whether client-side or server-side. The operating systems, web servers, application servers executing the J2EE web components were Windows NT/IIS/JRun and Solaris 8/Apache/Tomcat configurations. Selected as the candidate for the Director of Engineering prior to the company closing the Culver City, California office and moving to Chicago, Illinois.

November 1997 – February 2000 (Rancho Palos Verdes, California)
R. B. Zack & Associates, Inc., Quality Assurance Technician/Senior Software Engineer, Worked with software developers to ensure the new or modified programs would meet the

customer's expectations. Also assisted in maintaining a "help" database to describe the function and behavior of the programs in use as a reference for new or unsure end-users. The database was also used by co-workers to help administer testing. Tested various programs for the Year 2000 project. Changed positions from Quality Assurance Technician to Senior Software Engineer due to job performance and fast learning capability. As the sole engineer who had expertise in Java, became responsible for building the foundation for future Java development. Designed Java applets to interact with Dynamic Hypertext Mark-Up Language (DHTML) and JavaScript code via Java Remote Method Invocation (RMI) and/or servlets. In addition to Java development, developed and modified Active Server Page (ASP) code using Visual InterDev as the development tool. Built various web sites using ASP, one being http://www.bevaccess.com, which was highly regarded by Forbes. Became part of the solution to the Year 2000 project. Rewrote the company's existing UNIX scripts, as well as created new scripts to increase work flow by the developers and Quality Assurance personnel in their everyday activities.

May 1992 - October 1997 (San Antonio, Texas & Honolulu, Hawaii)
United States Air Force, Air Intelligence Agency, Electronic Warfare & Computer Security Expert, Supported customers as a Computer Security team member in applying correct techniques such as penetration tests to collect and process data identifying existing deficiencies and weaknesses in their Automated Information Systems such as word processors, hardware, software, and firmware. Identified vulnerabilities that stemmed from the growth of computer connectivity, poor user training and discipline, an abundance of technical vulnerabilities, and a lack of central incident coordination. Using the languages COBOL, ADA, Assembly, UNIX shell scripts, and some C++, I created several programs for the Air Force IT Security system's full life cycle that were utilized in the interception of electronic mail & facsimiles and various system penetration techniques. Developed a website for the ESS team comprised of HTML and JavaScript.

Honors/Accomplishments

August 2017
Featured Instructor for Outstanding IT & Cybersecurity Training from the University of Alabama in Huntsville

May 2017
Letter of Appreciation for exceptional service and recognized as the Featured Instructor for Outstanding IT & Cybersecurity Training by the University of Alabama in Huntsville.

April 2016
Highlighted Instructor for Outstanding IT & Cybersecurity Training from the University of Alabama in Huntsville

April 2015
Outstanding Master of Science in Cybersecurity Award from the University of Alabama in Huntsville

April 2015
Outstanding Master of Science in Cybersecurity Award from the University of Alabama in Huntsville

June 2014
IBM Certificate of Appreciation for 2013 Distinguished Project of the Year in support of the LOGSA/LITeS program.

April 2014
Departmental Honors Award in Information Systems from the University of Alabama in Huntsville

April 2013
Sigma Alpha Pi - The National Society of Leadership and Success

April 2013
Phi Kappa Phi - National Honor Society

April 2013
Beta Alpha Psi - The International Business Honors Society for Accounting, Finance, & Information Systems

April 2013
Beta Gamma Sigma - The National Honor Society for Collegiate Schools of Business

March 2013
Omicron Delta Kappa - The National Leadership Honor Society

2011
Certificate of Appreciation for NASA Space Shuttle Program

June 2009
Certificate of Appreciation for NASA IEMP eTravel Project

July 2006
System for Administration, Training, and Educational Resources for NASA
(SATERN) Certificate of Appreciation, Outstanding Contributor

April 2006
National Aeronautics and Space Administration Group Achievement Award for NASA
Identity Management.

April 2004
National Aeronautics and Space Administration Group Achievement Award for
AdminSTAR/NORS.

January 1997
Certificate of Recognition for professional performance and outstanding support
to the mission of the 692nd Intelligence Group

July 1996
National Security Administration (NSA) Certificate of Appreciation

April - June 1994
Airman of the Quarter for the 68th Intelligence Squadron