

# Edward Monk

Curriculum Vitae | Enterprise Digital Platform Architect | Digital Modernization Leader | AI-Enabled Web Infrastructure

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## PROFESSIONAL PROFILE

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Innovative technology leader with more than 30 years of experience leading large-scale web development, infrastructure modernization, enterprise platform design, and digital operations across complex institutional and commercial environments.

Track record includes platform standardization, Linux and database infrastructure leadership, Drupal and open-source ecosystem architecture, digital accessibility governance, enterprise application delivery, and early-stage AI/ML evaluation for public-serving digital systems.

Professional experience spans executive technology leadership, enterprise architecture, software quality assurance, business intelligence, ERP and supply-chain systems, consulting, and mission-critical operations support.

## SELECTED LEADERSHIP SCOPE

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- Strategic direction and standards for 200+ public-facing web properties
- Linux-based hosting and operational oversight for 150+ production web systems
- Platform standardization contributing to a 30% reduction in development costs
- MySQL cluster and database environment oversight for critical services
- Accessibility testing, modernization, and governance across institutional web properties
- Cross-functional AI/ML evaluation, prototyping, and policy development

## PROFESSIONAL EXPERIENCE

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### Smithsonian Institution

**Supervisory IT Specialist (Head of Web Development)** | Washington, DC | November 2014-Present

- Lead strategic direction, architecture, and standardization of web content delivery across more than 200 Smithsonian websites.
- Directed development and implementation of a highly customizable Drupal website template and platform model, reducing web development costs by 30% and accelerating project timelines.
- Manage large-scale Linux-based web hosting infrastructure supporting more than 150 production web systems with high availability and secure operations.
- Direct MySQL DBA and cluster environments supporting web platforms and other critical applications, including high-availability and disaster-recovery considerations.
- Oversee institutional web accessibility testing services and modernization efforts, improving compliance across digital properties.
- Contribute to enterprise-level AI/ML evaluation, prototype design, and policy work to expand Smithsonian digital capability.

## **Quotient, Inc.**

**Director Enterprise Applications / Principal Enterprise Solutions Architect** | Washington, DC | January 2013-November 2014

Contractor role supporting the Smithsonian Institution.

- Led consolidation and optimization of open-source websites across Smithsonian units, improving efficiency and standardization.
- Built scalable infrastructure for high-profile public-facing websites to improve performance, resilience, and maintainability.
- Developed and disseminated best practices for open-source applications aligned with organizational goals and technical standards.

## **CompuGain, LLC**

**Senior Solutions Architect - Drupal / Open Source** | Herndon, VA | July 2012-January 2013

- Led creation of a Drupal-based content publication framework for the U.S. Department of Commerce, centralizing content distribution across internal and public platforms.
- Provided strategic guidance on open-source initiatives, platform direction, and technical positioning in support of client delivery and business development.

## **CGI Group, Inc.**

**Senior Consultant / Enterprise Architect** | Richmond, VA | September 2008-July 2012

- Directed business analysis and software quality assurance efforts for the Virginia State Corporation Commission, including a custom eCommerce platform for new-business registration.
- Helped automate paper-based processes through integration of new web application workflows with legacy mainframe operations.
- Served as enterprise architect and webmaster for the Virginia Enterprise Applications Program, evaluating and implementing business intelligence, document management, CRM, Drupal portal, and open-source timekeeping platforms.

## **Monk & Monk, LLC**

**President, Information Technology Consulting Services** | Henrico, VA | January 2008-September 2008

- Provided consulting services for government and private-sector clients with emphasis on ERP, business intelligence, and eCommerce initiatives.
- Designed and developed custom Drupal websites meeting accessibility, security, and privacy requirements.

## **The Elevation Group, LLC**

**Director, Wholesale Distribution Systems** | Bethlehem, PA | January 2006-January 2008

- Defined business requirements and product enhancements for SAP Business One in food-distribution environments.
- Developed go-to-market and strategic positioning for SAP Business One in the food-distribution sector.
- Delivered technical demonstrations and represented the company at industry conferences nationwide.

## **Performance Food Group**

**Multiple Information Technology Leadership and Development Roles** | Richmond, VA and Atlanta, GA | October 1993-January 2006

Progressively responsible roles spanning business intelligence, profitability systems, project management, quality assurance, ERP process improvement, software development, and IT operations.

### **Analyst, Corporate Business Intelligence Reporting**

- Designed and delivered data-warehouse-driven reporting supporting executive decision-making across 19 subsidiaries and approximately \$5B in annual net sales.
- Supported Sarbanes-Oxley compliance through disciplined business intelligence systems management.

### **Technical Manager, Margin Management**

- Developed custom software applications and business monitoring systems to improve profitability across subsidiary operations.
- Implemented real-time issue tracking and profitability-management capabilities.

### **Project Manager, Purchasing Systems**

- Led cross-functional efforts to improve ERP-based purchasing processes and compliance.
- Managed implementation of the Multi-Vendor Load System and USDA Pass Through Value System.

### **Manager, Systems Quality Assurance**

- Established the company's first systems quality assurance function, introducing automated testing tools and quality metrics.
- Directed testing for ERP changes and website updates to improve deployment quality and business alignment.

### **Manager, Information Technology**

- Managed all IT operations for PFG Milton's, a 24x7 food distribution facility and one of the company's most profitable subsidiaries.
- Oversaw infrastructure, system administration, hardware support, and operational continuity during a major sales-growth period.

### **Senior Programmer Analyst**

- Led ERP system development and implementation for food-distribution companies across the United States.
- Provided hands-on hardware, network, configuration, and troubleshooting support for enterprise deployments.

## **EDUCATION**

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### **Bachelor of Science, Information Technology Management & Business**

University of Richmond, Richmond, VA | Magna Cum Laude | 2010

## TECHNICAL EXPERTISE

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- **Enterprise Platform and Web Architecture:** Drupal and open-source platform ecosystems, enterprise web publishing, reusable template architectures, platform governance, and modernization strategy.
- **Infrastructure and Operations:** Linux hosting, high-availability operations, secure web delivery, MySQL cluster environments, disaster recovery planning, and operational standardization.
- **Software Architecture and Development:** Application design and development across RPG, ASP, PHP, and .NET ecosystems, with extensive SDLC and technical-team leadership experience.
- **ERP and Business Systems:** ERP and supply-chain information systems, SAP Business One, purchasing systems, operational process redesign, and business systems integration.
- **Data, Reporting, and Analytics:** Database design, normalization, ETL, MySQL, Microsoft SQL Server, Oracle, SSRS, Crystal Reports, and executive reporting systems.
- **Program Delivery and Quality Assurance:** Large-scale project leadership, software quality assurance, automated testing, cross-functional stakeholder management, and operational excellence.