

# Michael A. Morris

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## SUMMARY

**Engineering Professional** with extensive experience in all facets of project development, IT function, testing and quality assurance. Working in companies ranging from start-up to Fortune 100, designed, built, and supported key IT components and testing systems for products including medical imaging devices, color matching systems, product tracking / authentication systems, and integrated circuits. A versatile resource who can lead initiatives and teams, work independently, communicate and coordinate effectively internally and with customers, consistently delivering high quality, timely results.

**Expertise:** Project management, software and hardware quality assurance, software and hardware development and test, SDLC process, management of change, global customer and technical marketing support, manufacturing support, network design and support, ISO certification and auditing, policy and procedure development, technical training, medical diagnostics, product authentication, I can communicate technical information to both savvy and not so savvy audiences.

## PROFESSIONAL EXPERIENCE

Lanxess, Cologne, Germany (Previously E. I. DuPont and Chemours) (2012 - Present)

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### **PROCESS ENGINEER / PROJECT MANAGEMENT / CUSTOMER SUPPORT**

The IDI subsidiary of Lanxess provides world class water treatment systems to municipal and industrial customers worldwide. Their best-in-class treatment systems provide the safest, most effective option for removing biofilms and treating industrial environments preserving equipment and helping provide safe drinking water to millions.

**Process Engineer:** Provide designs to meet customer requirements and standards. Ensure quality products and services through development of processes and procedures aimed at capturing design criteria needed to produce the best solutions rapidly. My contributions include:

- Investigate, qualify and introduce new technology
- Improved existing technology and processes to increase productivity and performance
- Developed new quality assurance and test programs and processes to insure fewer field issues
- Introduced a new Management of Change process that fostered better compliance, usage and traceability
- Oversee staff needed to complete projects on time and on quality
- Design and safety reviews
- Customer and service support

E. I. DuPont, Wilmington, DE (2001 - 2012)

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### **PROJECT MANAGEMENT / CUSTOMER SUPPORT CONSULTANT (DuPont Authentication: 2007 - 2012)**

**Software Engineering, Quality Control and Customer Support Liaison:** This project involved the integration of Linux hosted MySQL databases and Linux hosted Apache web servers. The Linux servers were hardened for security and the MySQL database was configured to provide the fastest possible response for a very large dataset. I was responsible for the overall build and testing of the system and was the primary interface to the hosting service to construct and manage the production implementation.

- Designed specifications and use cases for development of a new commercial shop floor vision product. The product, launched in 2011, provides fully customizable supply chain tracking, product aggregation, and chain of custody capability.

- Traveled to India to install the initial version of a shop floor vision system. Working as primary customer interface, provided documentation, training, support, and engineering feedback for this initial installation. Returned to India several times to provide customer support and install upgrades and improvements.
- Contributed to the development, design, test and deployment of a global web/database system for tracking and authentication of products worldwide.
- Managed numerous projects providing technical support for sales and marketing efforts globally.
- Spearheaded marketing business intelligence efforts on behalf the DuPont Authentication sales team.
- Provided subject matter expert (SME) presentations to internal and external groups in support of sales.

### **PROJECT MANAGEMENT / SOFTWARE CONSULTANT (*DuPont Color Systems: 2001 - 2007*)**

**Software Engineering, Software Release and Change Management:** This project involved the integration of UNIX hosted Oracle database back end and a web service front end. I was responsible for the hardware and software configuration and deployment. My scope on this project included coding for the web and database systems with help from and control over other resources as needed. I acted as DBA, customer liaison, project release scheduler, test manager, change coordinator, documentation and training resource.

- Architected, designed, and implemented a robust, Unix-based web application backed by an Oracle database server, providing user interface support of color matching technology.
- Architected, designed, and built several content management systems optimizing remote access to service and support documents for several integrated DuPont businesses.
- Managed a network infrastructure project to build and maintain an independent high speed network in support of the global color project. Dramatically improved performance, enabling seamless customer access as part of their proofing cycle.
- Planned and implemented a high availability infrastructure providing 24/7 operation of network, servers, and customer facing applications.

### **AGFA Medical Products / Sterling Diagnostic Imaging, Wilmington, DE (1996 – 2001)**

Sterling Diagnostic Imaging was a spin-off of DuPont. AGFA Medical Products acquired Sterling in 1998.

### **SENIOR SOFTWARE ENGINEER**

- Primary test engineer and team leader responsible for certifying medical diagnostic imaging software.
- Developed and documented procedures and tests to maintain ISO 9002 certification for medical software manufacturing.
- Led software development in support of ISO 9002 and internal document management.

### **E. I. DuPont, Wilmington, DE (1989 - 1996)**

### **SENIOR SOFTWARE ENGINEER**

- Designed processes and procedures and led audits resulting in the successful acquisition of an ISO 9001 medical software development certification and ISO 9002 manufacturing certification.
- Built a medical products test facility. Designed and executed tests on medical software and hardware.
- Primary release engineer responsible for deploying new software into manufacturing. Interfaced with manufacturing and software development teams to identify, document, and resolve issues.
- Built and maintained numerous database and web systems for the medical products division.

## **EDUCATION**

**Pennsylvania State University, University Park, PA - Bachelor of Science, Electrical Engineering**

## **COMMUNITY SERVICE**

- Boy Scout Leader for 11 years. Executive on the adult committee for 7 years.
- Cecil County 4H Leader for 5 years including several years as summer camp counselor and rocketry program leader.
- Habitat for Humanity volunteer.