

# MICHAEL J. GREGOIRE

[mike@mikegregoire.me](mailto:mike@mikegregoire.me) | [LinkedIn](#) | [GitHub](#) | @mgregoire254

Enterprise applications and data-focused Programmer Analyst with a B.S. in Computer Science and IBM Data Engineering certification. Experience developing, maintaining, and improving enterprise reports, integrations, data processes, and internal tools across higher education, finance-related operations, and business environments. Skilled in Python, SQL/PL/SQL, Oracle databases, WebFOCUS, automation, testing, data validation/reconciliation, and production support. Focused on maintainable solutions, data integrity, workflow efficiency, and modernization.

## TECHNICAL SKILLS

<b>Programming &amp; Data:</b>	Python, SQL, PL/SQL, Java, JavaScript, HTML, CSS, JSON, REST APIs, pandas, openpyxl, CSV/flat-file processing
<b>Enterprise Reporting &amp; Analysis:</b>	Ellucian Banner, Oracle databases, WebFOCUS, enterprise reporting support, data analysis, data integrity
<b>Automation &amp; Data Processing:</b>	Excel automation, data cleaning, file-format conversion, data validation, data reconciliation, process automation, reusable logging and validation patterns
<b>Application &amp; Web Development:</b>	Flask, FastAPI, Django, Bootstrap, internal tools, workflow applications, API development, systems design
<b>Testing &amp; Support:</b>	TDD, pytest, unit testing, integration testing, UAT, system testing, patch/testing support, troubleshooting, root-cause analysis, production support
<b>Data Strategy &amp; Modernization:</b>	data warehousing/data marts, data modeling, Kimball concepts, ETL/ELT, metadata analysis, reporting modernization
<b>Tools &amp; Professional Skills:</b>	Git, Docker, Linux, VS Code dev containers, CI/CD, virtualization, Kubernetes concepts, business process analysis, workflow analysis, documentation, stakeholder/vendor coordination

## PROFESSIONAL EXPERIENCE

### Stephen F. Austin State University - Programmer Analyst I | Jan. 2024 - Present | Nacogdoches, TX

- Develop, maintain, enhance, test, and support enterprise applications, reports, data processes, and system integrations by translating business needs into reliable technical solutions and production-ready improvements.
- Partner with business users, IT staff, DBAs, consultants, and vendors to clarify requirements, troubleshoot issues, support implementations, and improve operational workflows.
- Analyze, design, build, repair, and improve institutional and finance reports, including executive, compliance, operational, and recurring reporting deliverables.
- Automate finance processes including Excel cleanup, data cleansing, file-format conversion, and validation steps for monthly reconciliation workflows; currently working on additional process automation efforts.
- Support enterprise integration and implementation projects through requirements analysis, process mapping, data/interface validation, troubleshooting, documentation, and coordination across functional users, technical teams, consultants, and vendors.
- Design a reusable logging and validation package pattern to standardize input/data validation, error capture, support diagnostics, and repeatable quality checks for integration and automation projects.
- Contribute to technology modernization efforts, including AI workgroup documentation, controlled data access discussions, reporting/data strategy, and practical implementation patterns for automation initiatives.
- Research and develop WebFOCUS modernization workflows, including report inventory concepts, dependency analysis, metadata/cataloging, Git/GitLab version control, VS Code dev containers, TDD, collaboration, and CI/CD practices where appropriate.

### **Galactic Brainiacs Productions - Partner** | *Aug. 2018 - Apr. 2020* | *Greenfield, MA*

- Managed technical and production operations for printing and promotional-product workflows, including equipment, business systems, troubleshooting, and process improvement.
- Worked with clients to create promotional product and marketing solutions; researched and implemented online ordering, inventory, and order-management workflow improvements.

### **Freelance Work - Business Systems Analyst** | *Dec. 2014 - Aug. 2018* | *Springfield, MA*

- Analyzed business processes and delivered practical technical solutions for small-business clients, including networks, workstations, support workflows, and productivity improvements.

### **Group Insurance Management Services, Inc. - IT Administrator** | *2009 - 2014* | *Springfield, MA*

- Served as small-business IT administrator, implementing technical solutions across workstations, peripherals, network equipment, business applications, user support, backups, updates, access changes, and vendor coordination.
- Modernized systems, support practices, and workflow processes, improving reliability, reducing recurring issues, and increasing user productivity.

### **MassMutual Life Insurance Company - Business Systems Analyst** | *2007 - 2009* | *Springfield, MA*

- Analyzed business and technical needs while supporting proprietary software, testing environments, enterprise workstation modernization, software compatibility testing, and deployment support.
- Set up, maintained, imaged, and re-imaged a 30-machine model office used to test updates across varied hardware/software profiles; maintained image catalogs and assisted vendor hardware approval testing.
- Wrote InstallShield scripts for proprietary software, assisted with patches/upgrades, maintained worldwide distribution channels for patch discs, and supported Windows Vista transition efforts.

### **Wilbraham Public Access Television - Intern** | *2004 - 2005* | *Wilbraham, MA*

- Assisted with studio equipment installation, maintenance, digital editing modernization, filming, audio/video operation, camera work, and selected production support.

## **EDUCATION & CERTIFICATIONS**

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### **Education**

University of the People - B.S., Computer Science | Dec. 2025

University of the People - A.S., Computer Science | Nov. 2022

Career Technical Education Center - Cisco Networking

Academy | May 2007

### **Certifications**

IBM Data Engineering Certificate | Dec. 2025 | [Credly Badge](#)

Google IT Support Certificate | Mar. 2022 | [Credly Badge](#)