

# MATTHEW DICKSON

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## PROFESSIONAL SUMMARY

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Software engineer with a B.S. in Information Technology (Web Application Development) and an AWS Certified Developer - Associate credential. Two years building Node.js, React, and Python automation for enterprise content management system (CMS) migrations, including verification of 13,000+ migrated article URLs across Arc XP, Drupal, and WordPress properties. Experienced in Playwright and Cypress test automation, REST API integration, PostgreSQL/Supabase backends, and cloud deployment on Amazon Web Services (AWS) and Microsoft Azure. Seeking a full-stack web development or cloud engineering role.

## TECHNICAL SKILLS

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**Programming Languages:** JavaScript (ES2022), Python, C#, Java, SQL, TypeScript, HTML5, CSS3, Bash, PowerShell

**Frontend Development:** React.js, Angular, Bootstrap, jQuery, Responsive Web Design, Accessibility (WCAG)

**Backend and APIs:** Node.js, Express, Django, ASP.NET (C#), REST APIs, JSON, Postman, Web Scraping

**Databases:** PostgreSQL, Supabase, Microsoft SQL Server, MySQL, Oracle Database, SQLite, OpenSearch

**Cloud and DevOps:** Amazon Web Services (AWS), Microsoft Azure, Git, GitHub, CI/CD Automation, Linux (Ubuntu), Windows Server, Virtualization (Oracle VirtualBox)

**Testing and QA Automation:** Playwright, Cypress, Postman Collections, Regression Testing, Cross-Browser Testing, Test Reporting, Quality Assurance (QA)

**CMS and Platforms:** Arc XP (Composer, PageBuilder), Drupal, WordPress, Mailchimp, Microsoft 365

**Data and Automation:** pandas, OpenPyXL, Cheerio, BeautifulSoup, Tesseract OCR, ETL Pipelines, Microsoft Power BI, Data Visualization

**Security and Networking:** Incident Response, Vulnerability Assessment, Active Directory, Group Policy (GPMC), Cisco Packet Tracer, Network Troubleshooting

## WORK EXPERIENCE

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### Software Engineer, Web and Automation

*Versatile Content LLC | Remote | July 2024 - Present*

- Built a Node.js and Playwright verification pipeline that audited 13,000+ migrated article URLs across five Crain Communications publications following a Drupal to Arc XP CMS migration, verifying 5,182 award stories across 58 recognition programs at a 91% clean-pass rate and producing per-brand CSV defect reports for client remediation.
- Root-caused 88 recurring HTTP 500 errors to unencoded special characters in migrated URL slugs, and recovered 75 stories missing entirely from the migration extract using a Postman/Elasticsearch toolkit built for cluster health checks and story-ID lookups, restoring three full content classes to the live site.
- Engineered a Playwright and Chrome DevTools Protocol automation suite that drives the Arc XP Composer CMS end to end (draft preparation, save, preview QA, publish, live verification) through Okta and Microsoft single sign-on, reducing a multi-step manual editorial workflow to a single command.
- Defined regression test scenarios and performed manual QA across homepage, article, and PageBuilder templates, triaging failures from the automated Playwright and Cypress suite into actionable defect reports.
- Wrote a BeautifulSoup content-conversion tool that locates the article body across 14+ WordPress and Drupal theme patterns, strips tracking pixels, comments, and inherited style blocks, preserves rendered image dimensions as scoped CSS classes, and exports every link and image to CSV for migration auditing.
- Reverse-engineered an interactive Ceros feature into a static, maintainable page by parsing its stage snapshot into positioned layout bands and regenerating the equivalent HTML and CSS.
- Built duplicate-detection tooling in Node.js and Python that reconciled player records by ID and name across daily and 16+ weekly platform activity exports, and validated college division and conference assignments against scraped source data, reporting every mismatch for correction.
- Supported a WordPress site on AWS: restored site backups, investigated RDS load spikes, resolved disk and storage exhaustion, and replaced the events system, rebuilding event search by date, metro area, and cause.
- Developed a Node.js and React.js application to track member log-ins and report site activity, backed by Supabase (PostgreSQL) database functions with row-level security, and automated client email campaigns in Mailchimp.

- Wrote a suite of Python scrapers and data-cleaning tools (BeautifulSoup, pandas, Selenium) that assembled a 2,250+ row multi-state college athletics dataset from inconsistent source tables, with sport-name normalization, resumable batch saving, and rate-limited requests.
- Built a PDF extraction pipeline with pdfplumber and a Tesseract OCR fallback for scanned documents, converting a printed directory into four normalized, relational CSV datasets.

### **Information Technology Specialist**

*Transcom | Denver, CO (Remote) | March 2023 - July 2023*

- Resolved hardware, software, and network issues across Transcom's product lines while maintaining a 100% customer satisfaction rating.
- Managed ticket intake, triage, escalation, and resolution in ServiceNow, minimizing downtime and meeting service-level agreement (SLA) targets.
- Collaborated with a distributed remote team to troubleshoot complex technical problems and deliver same-shift resolutions.

### **Pharmacy Technician**

*Navicent Health | Macon, GA | January 2019 - June 2020*

- Eliminated an ordering backlog and implemented stock-rotation and inventory-management processes that reduced waste and improved fill times.
- Sustained accuracy and throughput on 12-hour COVID-era shifts in a high-volume hospital pharmacy.

### **Lead Pharmacy Technician**

*Walgreens | Athens, GA | March 2006 - January 2019*

- Led technician operations and owned inventory management and ordering for a \$5 million-volume retail pharmacy, driving a measurable increase in customer satisfaction ratings through service and training initiatives.
- Trained and mentored University of Georgia pharmacy interns, and maintained uninterrupted operations through multiple corporate acquisitions and system migrations.

## **PROJECTS**

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### **VCamp Launcher | Python, Tkinter**

- Single-file, 2,300-line Windows desktop application with zero third-party dependencies that scans a directory, parses README files, and generates a launch button for every runnable program it finds.
- Ships three selectable themes with configurable accent colors, collapsible sections, and one-click Git commit and push integration.

### **Arc XP Table Remediation Toolkit | Node.js, Playwright**

- Diagnostic and repair program that compares computed CSS table styles between a migrated site and its reference site, generates a scoped style snippet, and publishes the fix through the CMS; validated on four live production articles.

## **EDUCATION**

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### **Bachelor of Science in Information Technology, Concentration in IT Web Applications Development**

*Middle Georgia State University | Macon, GA | May 2024*

**Dean's List: Spring 2023, Fall 2023, Spring 2024 | Major GPA (Information Technology coursework): 3.70**

Relevant Coursework: Cloud Computing, Advanced Web Development, Web Applications Development, Web Programming, Database Programming, Database Principles, Data Structures and Algorithm Analysis, Client/Server Systems Programming, Software Security, Systems Analysis and Design, Windows Systems Administration, Routing and Switching, Project Management, Human-Computer Interaction, Java Programming, Senior Capstone

## **CERTIFICATIONS**

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- Arc XP Certified, Arc XP (May 2026)
- AWS Certified Developer - Associate, Amazon Web Services
- AWS Academy Graduate - AWS Academy Cloud Foundations
- Cisco Introduction to Packet Tracer