

Michael Brogan

<https://michaelnbrogan.com/>

Mnbrogan32@gmail.com

(205) 999-4120

EDUCATION	<p>Candidate for Bachelor of Science in Commerce & Business Administration, The University of Alabama</p> <p>Graduation Date: May 2025 GPA: 3.6/4.0</p> <p>Major: Management Information Systems Minor: Computer Science</p>
TECHNICAL EXPERIENCE	<p>Languages: C#, C++, Java, Python, SQL, JQL, HTML, CSS, JavaScript</p> <p>Frameworks/Libraries: ASP.NET MVC, Bootstrap, Springboot</p> <p>Operating Environments: MS Windows, UNIX, macOS</p> <p>Business Tools: Visual Studio, Eclipse, Postman, VMWare, Git, Oracle Toad, Microsoft Copilot</p>
EXPERIENCE	<p><i>May 2023 – Present</i></p> <p>Founder & Lead Developer, GrowLab,</p> <p>Goal: Build tailored, high-performance websites and digital platforms that improve user engagement and deliver measurable business outcomes for clients by focusing on user-centered design and search engine optimization strategies.</p> <p>Value: Boosted clients' online presence and business performance by increasing website traffic by an average of 40%, helping businesses attract more customers and enhance their digital footprints.</p> <p>My Contribution:</p> <ul style="list-style-type: none">Lead a team of five professionals in designing and developing custom, responsive websites, improving user experience, and driving client growth.Increased website traffic for 20+ clients by an average of 40% through strategic SEO implementations, boosting their online visibility and engagement. <p>Managed over 20+ successful projects, delivering high-quality results in UI/UX design, front-end development, and SEO while ensuring client satisfaction.</p> <p><i>January 2025 - May 2025</i></p> <p>Tech Lead, AI Knowledge Assistant, UA System, Tuscaloosa, AL</p> <p>Goal: Developed an AI-powered chatbot using Microsoft Copilot Studio to improve natural language driven document retrieval and streamline knowledge access for UA System employees.</p> <p>Value: Implemented a scalable AI assistant leveraging machine learning and retrieval-augmented generation, reducing search time for internal policies and enhancing institutional knowledge accessibility.</p> <p>My Contribution:</p> <ul style="list-style-type: none">AI Chatbot Development: Led the design and deployment of an NLP-driven chatbot for real-time knowledge retrieval.ML Optimization: Improved chatbot response accuracy using fine-tuned ML models.API Integration: Developed RESTful APIs for seamless interaction with internal knowledge bases.Security: Deployed infrastructure on Azure with OAuth authentication and enterprise security.Agile Leadership: Managed a six-person team using Agile for iterative enhancements. <p><i>May 2024 - August 2024</i></p> <p>Java IT Intern, Tractor Supply, Brentwood, TN</p> <p>Goal: Optimize and enhance back-end processes through the development and maintenance of scalable Java-based applications to support Tractor Supply's nationwide operations and growth.</p> <p>Value: Improved the efficiency and performance of core systems, directly impacting operational capacity across 2,200+ stores and contributing to Tractor Supply's \$14.56B in net sales.</p> <p>My Contribution:</p> <ul style="list-style-type: none">Enhanced System Performance: Assisted in developing and maintaining Java-based applications, helping optimize back-end processes for over 2,200 stores nationwide, contributing to TSC's \$14.56B in net sales.API Development: Designed and implemented RESTful APIs during my internship, supporting seamless integrations with third-party services, improving operational efficiency across systems.Software Solutions Integration: Participated in the integration of new software solutions into existing infrastructure, reducing system downtime by 15%, enhancing overall productivity.Process Improvement: Collaborated with IT management to streamline internal processes, driving a 3.1% improvement in operating income (\$1.48B) through efficient technology implementations.
HONORS AND ACTIVITIES	<p>Dean's List</p> <p>President's List</p> <p>Eagle Scout</p> <p>Alabama Alumni Scholarship</p> <p>Tutwiler Scholarship</p>