

MATTHEW EARNEST

Software Developer

PROFESSIONAL SUMMARY

Software engineer with 3+ years building scalable backend systems, RESTful APIs, and distributed applications. Expertise in .NET, cloud infrastructure, and database architecture. Self-driven developer who owns features from requirements through production deployment.

EMPLOYMENT HISTORY

SOFTWARE DEVELOPER

June 2024 - Present

CGI

- Architected and deployed RESTful Web APIs enabling inter-application communication across multiple production systems, streamlining business processes and reducing manual overhead
- Built and supported numerous automated batch processing applications integrating diverse data sources into centralized SQL databases
- Developed enterprise SFTP file processing system autonomously handling download, decryption, extraction, and intelligent routing to appropriate database tables based on content analysis
- Designed production database architecture including tables, stored procedures, and ETL pipelines; deployed multiple SSIS jobs ensuring reliable data processing operations
- Contributed to CI/CD pipeline implementation and provided production support across multiple applications
- Enhanced full-stack device management platform with Angular/TypeScript/.NET features, expanding capabilities for enterprise users

NETWORK ENGINEERING ASSISTANT

Apr 2022 - May 2024

University of Alabama Office of Information Technology

- Developed monitoring scripts preventing network downtime by alerting staff when infrastructure exceeded performance thresholds
- Created data visualization tools for campus-wide network equipment enabling data-driven infrastructure optimization

EDUCATION

MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

University of Alabama

BACHELOR OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

University of Alabama

COURSES

CERTIFIED DEVELOPER – ASSOCIATE

AWS

CERTIFIED TESTER FOUNDATION LEVEL

ISTQB

ENTRY CERTIFICATE IN BUSINESS ANALYSIS

IIBA

SKILLS

C#/.NET, TypeScript, JavaScript, Python, RESTful APIs, MVC, Batch Processing, AWS, SQL Server, PostgreSQL, SSIS, Git, CI/CD, Docker, Angular, React, PowerShell, Vercel

LINKS

LinkedIn: <https://www.linkedin.com/in/matthewearnest1/>, GitHub: <https://github.com/dewett-wright>,
itch.io: <https://bigporkgames.itch.io/>

ADDITIONAL INFORMATION

GOOGLE BUG HUNTER & PRODUCT EXPERT – IDENTIFIED AND REPORTED MULTIPLE SECURITY VULNERABILITIES VIA GOOGLE BUG BOUNTY PROGRAM

PROJECTS

BlownCartridge.com – Game Review Site

A Letterboxd-inspired video game review site with user reviews, community rankings, analytics and more. Leverages Tailwind CSS, Framer Motion animations, and performance-optimized canvas rendering with mobile-specific optimizations and accessibility support.

Link: blowncartridge.com

AlterFit – AI-Powered Fitness Platform

AI-powered workout program creator that adapts to a user's chronic injuries as they arise. Built with Node.js/Express, PostgreSQL, Stripe payments, and JWT authentication.

Link: alterfit.app

Tyrant – Kingdom Management Game

48 hour game jam entry where you play as a king balancing the people, nobles, and your armies to reign as long as possible. Built with Godot 4.5.

Link: <https://bigporkgames.itch.io/tyrant>