

# COLLIN M BARRETT

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## EXPERIENCE

**.NET Web Developer** · Shelby Systems (Memphis, TN)

Aug '17 – Now

- Modernizing accounting SaaS for churches and non-profits · C#/.NET, WebForms, Telerik, SQL Server
- Refactoring legacy architecture to enhance performance and maintainability
  - e.g., Type-wrapped a messy serialized key-value store with generics/reflection · bit.ly/cbTypeKV
- Re-implementing improperly designed Telerik Reports to support Azure load-balancing

**Founder** · FilterLists.com · *~25k unique monthly visitors*

Sep '15 - Now

- Developing OSS for indexing content filters · ASP.NET Core, React, TypeScript, API, EF Core, git, CD

**.NET Developer** · fred's, Inc. (Memphis, TN)

Sep '16 – Aug '17

- Led development of new enterprise retail pricing application · MVC, Kendo UI, Entity Framework, SQL Server
- Built CI/CD pipelines for applications, SSIS, and stored procedures with VSTS, BuildMaster, and PowerShell
- Developed HIPAA-compliant BI tools on SQL Server and Oracle Database for retail and specialty pharmacy
- Interviewed and onboarded new developers for our growing and modernizing team

**Software Development Engineer** · thyssenkrupp Elevator Corporation (Memphis, TN)

Oct '14 – Sep '16

- Led development of three C#/Windows Forms applications:
  - QA testing framework to validate data collected from thousands of elevators in Azure SQL
  - Unit testing framework to rigorously proof all possible elevator controller scenarios
  - Elevator controller simulator to communicate with a third-party door controller
- Supported development of a tool to provision embedded IoT devices to Azure

**Computer Science Instructor / Technology Specialist** · Collegiate School of Memphis (TN)

May '12 – Oct '14

- Founding teacher of computer science department for high-performing urban secondary students
- Crowd-sourced fundraising, developed curriculum, and taught new Lego Mindstorms robotics track
- Created new WordPress site on custom LEMP VPS to optimize web marketing through design, speed, SEO
- Developed 1-to-1 Chromebook program providing training and logistics to faculty and students

**Software Developer** · Infoscitex Corporation (WPAFB, Dayton, OH) · Secret Security Clearance Jan '10 – Nov '11

- Furthered development on Java UAV flight simulation framework and analysis toolset
- Created functional specification for neural network AI defensive system in Enterprise Architect UML
- Authored software requirements specification for autonomous helicopter flight controller
- Led development of distributed database application for resource management

## EDUCATION

**BSCpE Computer Engineering** · Cedarville University



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