

CHRIS DAHLBERG

Staff Software Engineer

www.cdahlberg.net

I am a passionate but easy-going software developer who takes pride in creating quality code. I have strong analytical and communication skills, am familiar with a broad range of technologies, and have a solid core skill set of C#, C++, Web API, SQL Server, and Cosmos DB.

Most of my experience has been as a backend developer, and I would prefer to continue working primarily as a backend developer. I am particularly interested in modernizing codebases, analyzing application performance, and improving developer experiences.

PROFESSIONAL EXPERIENCE

STAFF SOFTWARE ENGINEER @ CONTRAST SECURITY

JUN 2019 TO PRESENT

Worked as a developer on the .NET Agent team. The agents used the CLR Profiling API to instrument .NET-based web applications at runtime to identify security vulnerabilities and block attacks.

Drove efforts to improve overall code quality by doing things like resolving build warnings, incorporating features of newer C# versions, enabling nullable reference types, and making it easier and quicker to build the agents.

Created a background Windows service to automatically download and install new versions of the agents.

SENIOR SOFTWARE ENGINEER @ BISCUIT LABS

JUL 2018 TO JUN 2019

Worked as a backend developer on a new building sensing, control, and micro-grid product using C#, Cosmos DB, SQL Server, Web API, and Azure. Environmental sensor readings from large residential buildings were collected and aggregated for use by a building monitoring and management web application.

EXPERT SOFTWARE ENGINEER @ ALLSCRIPTS

DEC 2015 TO JUL 2018

Worked as a developer on a new team creating web services for storing electronic health records. Services were hosted in Azure and created using C#, Web API, Unity, Service Fabric, Cosmos DB, and other technologies.

SENIOR DEVELOPER @ RELAY TECHNOLOGY

OCT 2015 TO DEC 2015

Worked as a contractor at Aclara on a team modernizing and developing distributed C# and C++ services used to detect and analyze outages of utilities.

SENIOR WEB DEVELOPER @ APEX SYSTEMS

MAR 2015 TO OCT 2015

Worked as a contractor at Safety National on teams creating web-based applications for tracking and managing insurance applications and claims using SQL Server, SSIS, C#, Entity Framework, ASP.NET, and Web API.

SENIOR MID-TIER DEVELOPER @ SCOTTRADE

JUN 2010 TO FEB 2015

Created and maintained performance-sensitive C# and C++ web and Windows services supporting front-end applications related to stock trading. Contributed to coding standards and maintained automated code analysis tools (such as FxCop and StyleCop). Replaced C++ COM libraries with drop-in-replacement C# libraries.

SKILLS AND TECHNOLOGIES

HIGH PROFICIENCY

Visual Studio · C# · C++ · .NET · .NET Core · .NET Framework · Git · NuGet · Windows · Web API
Unit Testing · xUnit · Moq · Dependency Injection · Cosmos DB · SQL Server · Roslyn Code Analysis
Azure DevOps · ADO.NET · WiX Toolset · Windows Installer · JSON · XML · YAML

MODERATE PROFICIENCY

.NET Profiling API · CLR Instrumentation Engine · Visual Studio Code · PowerShell · C++/CLI · COM
Linux · Windows Subsystem for Linux · Windows Communication Foundation · SSIS · TypeScript · JavaScript
Entity Framework · Windows Forms · WPF · XAML · Avalonia UI · Web Forms · MVC · HTML · CSS · Cake
Protocol Buffers · gRPC · Microsoft Bond · Service Fabric · Docker

OPEN SOURCE EXPERIENCE

Created [CodeTiger.CodeAnalysis](#), Roslyn-based C# analyzers that enforce my own personal coding style.

Created [CodeTiger.Core](#), a .NET library that provides a variety of reusable functionality that I have found useful.

Created [CodeTiger.Azure.Cosmos](#), a .NET library that provides additional functionality for interacting with Azure Cosmos DB, such as the ability to use LINQ to query data that is aggregated across multiple documents.

Created [CodeTiger.AzureDevOps.Versioning](#), an Azure DevOps extension for easily stamping SemVer-style version information in various source files.

Coordinator of [StyleCop “Classic”](#).

Created [Bond.RuntimeObject](#), a .NET library that allows serialization and deserialization of objects in the Microsoft Bond format without the schema being known at compile time.

EDUCATION

@ UNIVERSITY OF MISSOURI

2004 TO 2008

Bachelor of Science in Electrical Engineering
Bachelor of Science in Computer Engineering
Minor in Computer Science
Minor in Mathematics
President of inline hockey club

@ ST. CHARLES COMMUNITY COLLEGE

2002 TO 2004

General studies
Participated in inline hockey