

Chris Montgomery

📍 Christiansburg, Virginia, United States ✉ cmonty260@gmail.com ☎ 5403161915 🌐 <https://www.linkedin.com/in/chris-montgomery-190a6b156/>

SUMMARY

Hungry for success early career software engineer with a degree in Computer Science from George Mason University. Passionate about building great user experiences end-to-end and mentoring colleagues both directly and by building internal documentation.

EXPERIENCE

Software Engineer II

Aerostrat

March 2021 – Present, Remote

- Implemented the backend logic for multiple features using .NET 4.7 and Entity Framework. Integrated support for SQL Server temporal table queries into Entity Framework 6.2 as the basis for the product-wide auditing solution.
- Migrated Entity Framework for the monolithic backend service from database-first to code-first.
- Designed and implemented the architecture for an Azure-hosted company internal network that users could connect to using VPN. This internal network was used to host internal tools used by the business team to support customers.
- Troubleshooted and implemented fixes for concurrency related issues that arose as usage of the primary backend API grew.
- Participated in User Acceptance Testing of new features, identifying new requirements and tweaking existing ones based on the results.
- Wrote unit tests to cover new and existing code, using Moq and NUnit.

Software Engineer

Alarm.com

June 2019 – March 2021, Tysons Corner, VA

- Delivered multiple new features and integrated new Access Control controller hardware into the Alarm.com ecosystem, working with .NET on the backend and Ember.js on the frontend.
- Filled gaps in internal documentation on the usage and integration with third-party Access Control hardware. This internal documentation served as training material for new members of the Access Control team, and as a reference point for the implementation of new features.
- Implemented new customizable rules such as 'Double-swipe badge to unlock doors' by programming Access Control controllers across the wire. Developed the frontend interface that users used to select the subset of doors which would be unlocked. Created internal troubleshooting tools on the dealer-facing website for these features.
- As part of an internal hackathon, developed an accessibility feature that let designated users have a longer leeway period for opening doors once unlocked by badge swiping.

Software Engineer Intern

Praxis

June 2018 – January 2019, Chantilly, VA

- Collaborated with a team of 4 interns to build an AWS hosted web application that enabled users to upload videos and perform facial recognition against a managed identity pool.
- Participated in the design of the serverless backend that used a multitude of AWS technologies, including Lambda functions, S3 buckets, Rekognition and Dynamo DB.
- Used HTML5 and JavaScript to create a custom video player that displayed the facial recognition bounding boxes returned by Rekognition overlaid on the original video uploaded by the user.

Signals Intelligence Analyst

United States Army

January 2010 – January 2019

- Received an ARCOM award for the implementation of productivity enhancing Perl scripts that saved 1000s of man hours.
- Served as the training NCO for an office of 20. Built out the training material and acted as the primary trainer for incoming soldiers. Mentored soldiers on usage of Linux and Solaris systems, using creative approaches such as a command line choose-your-own adventure game that walked the user through basic shell commands.
- Fulfilled the daily duties of a Signals Intelligence Analyst.

EDUCATION

Bachelor of Science in Computer Science

George Mason University • Fairfax, VA • 2019 • 3.65

SKILLS

HTML, JavaScript, CSS, C#, .NET, Entity Framework