

# CARLOS ROBERTO CASTILLO

## Software Developer

Seattle, WA (575)418-7906

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LinkedIn Profile: <https://www.linkedin.com/in/carlosrcastillo>

GitHub: <https://github.com/castillocarlosr>

Professional Portfolio: <https://carloscastillo.us>

**Objective:** Software Developer with Bachelor of Science Degree in Chemistry. My skills are in HTML, CSS, JavaScript, & C# .Net Core 2.2 for front-end and back-end. Seeking to leverage my technical skills, professional experience, and help build solutions. Willing and able to learn, adapt, and succeed.

## Education

### **Bachelor of Science in Chemistry**

New Mexico Institute of Mining and Technology

**2008**

Socorro, NM

### **Advanced Software Development in ASP.NET Core Certificate**

**2018-2019**

Code Fellows

Seattle, WA

## Projects

**ReactMetronome** (September 2019) | <https://react-metronome-carlos.herokuapp.com> | [\[Source Code Link\]](#)

- Webpage Metronome application that produces a distinct click every 4<sup>th</sup> click. 30bpm-240bpm.
- Written using JavaScript's React. Deployed on Heroku. Front-end only.

**InstaHub** (March 2019) | <https://github.com/castillocarlosr/InstaHub>

- Chat messaging application using SignalR for group connections and Auth0 for Identity.
- Written using C# Razor Views, JavaScript, Semantic-UI CSS, using ASP.NET Core 2.2.
- Use of Azure SQL database for user profile and messages.
  - Personal Role: Set-up Models and Interface for Users & Messages.
  - Personal Role: Implement SignalR Hubs into ChatHubs.

**Color Cord** (February 2019) | <https://schemecolor.azurewebsites.net> | [\[Source Code Link\]](#)

- Color matching coordination application using a newly created RESTful API.
- Written using C# ASP.NET Core, MVC, and Azure SQL database for API colors logic.
  - Personal Role: Create Color Database context and migrate database to Azure SQL.
  - Personal Role: Set up and run xUnit testing on Database Context.

**Mag.Net** (November 2018) | <https://hn-nj-cc-cc-mag.herokuapp.com> | [\[Source Code Link\]](#)

- Mobile-friendly interactive community refrigerator fun magnets that involve memes and words.
- Written using JavaScript, CSS3, HTML5, Node.js, SQL using Heroku PostgreSQL.
  - Personal Role: Set-up Schema database.
  - 2-people Role: Set-up EJS, AJAX, server-JavaScript for routes to user and API calls.

**The List Keeper** (October 2018) | <https://castillocarlosr.github.io/todolist> | [\[Source Code Link\]](#)

- An online application "to-do" list tasker that makes it a fun and simple game.
- Written using JavaScript, CSS3, HTML5.
  - Personal Role: Styling. CSS and imaging. Firework animation by CSS.

## Skills

**Languages:** C#, Razor Pages, SQL, LINQ, JavaScript, HTML5, CSS3.

**Framework & Platform:** ASP.NET Core - MVC, React, Bootstrap, Azure, Heroku, GitHub.

**Tools:** Kanban Boards (Azure DevOps & Trello), xUnit Testing, Azure Blob Storage, SendGrid, Auth0, SignalR, Node.js, EJS, VS Code, Visual Studio 2017 & 2019.

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## Software Developer

### Work Experience

IEH Laboratories & Consulting Group. |

Seattle, WA

**Chemist** | September 2015 - September 2018

- Trace residue laboratory chemical analysis on foods with focus on heavy metals for CA Proposition 65.
- Run prepared samples on inductively-coupled-plasma atomic emission spectroscopy.
- Audit finished reports, instrument data, and sample data for accuracy.

Scientific Design |

Little Ferry, NJ

**Analytical Technician** | July 2012 - July 2015

- Perform laboratory analysis on catalysts for research and development. Interpret scientific data.
- Run prepared samples on gas-chromatography, x-ray fluorescence, and atomic-absorbance.
- Develop methods, reports, and update standard-operating-procedures.

Arlington Plating Company |

Palatine, IL

**Plating Chemist** | April 2011 - May 2012

- Lead new Nickel Recovery Unit
- Perform ISO 9001 internal audits.
- Analyze chemical baths for Nickel, Copper, Chrome, and Gold plating on metals and plastics.