

Carolyn Walsh

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Brooklyn, NY • [GitHub](#) • [LinkedIn](#)

SKILLS

C# • .NET Framework / Core / Standard • ASP.NET • NUnit / XUnit • Cucumber / SpecFlow
Ruby / Rails • RSpec • JavaScript • React / Redux • Elm • HTML • CSS • SQL
Azure Functions • Docker • Kubernetes • Git • Cake • CI / CD • TeamCity • Azure DevOps

EXPERIENCE

Software Engineer • DotAlign • September 2017 - present

- Led integration of web app (ASP.NET), serverless data pipeline (Azure Functions), and database (SQL Server) with internally-developed libraries
- Extracted message parsing functionality from monolithic app and re-architected into a library of modular parsers for microservice consumption; improved test coverage to 95%
- Implemented team's first automated end-to-end testing suite using SpecFlow; developed infrastructure to spin up a new SQLite database for each test, enabling teammates to easily extend test coverage
- Containerized TeamCity CI build hosts using Docker with Kubernetes, allowing team to smoothly upgrade all hosts as needed and easily generate new hosts to meet demand
- Established team's Elm dev environment using Visual Studio Code; built screens using Elm's purely functional model-update-view paradigm; managed interop between Elm code and JavaScript libraries
- Motivated, coordinated, and supported teammates toward milestones in advance of shipping product
- Proactively eliminated tech debt and improved code quality; provided actionable PR feedback

Co-Founder & CFO • Forgotten Language Herbs • 2015 - 2016

Director of Operations • Salty Road • 2012 - 2015

Project Associate • Bridgewater Associates • 2010 - 2011

PROJECTS

Giles • single-page library-management app • Ruby on Rails and React/Redux [live](#) • [github](#)

- Local data caching through custom Redux middleware retains query results for seamless experience
- Front- and back-end user auth includes password hashing, session management, and redirection

Bubble Jam • zuma-inspired match-three game • JavaScript [live](#) • [github](#)

- Doubly-linked list allows constant-time insertion / deletion of bubbles and linear-time collision checking

starDOM • library for intuitive DOM manipulation • JavaScript [github](#)

- Developer-friendly traversal and event handling; flexible AJAX interface allows function chaining
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EDUCATION

App Academy, New York, NY • 2017

- 1000-hour full-stack web development intensive with < 3% acceptance rate

St. John's College, Annapolis, MD • BA Liberal Arts 2009

- Relevant coursework: analytic geometry, calculus, chemistry, and physics including electromagnetism
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OTHER STUFF

I am an avid reader, baker, fiber artist, and one-day Jeopardy! champion.