

Ben Machlin

Software Engineer

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Education

2018 - 2019 **M.S. Computer Science**, *Tufts University*, Medford, MA

2014 - 2018 **B.S. Computer Science**, *Tufts University*, Medford, MA, Music Engineering Minor

Experience

2024 - **Filevine**, *Senior Software Engineer & Tech Lead, Backend, .NET*, Remote, CO

- Developing code at scale for a wide range of clients. Creating APIs, services, eventing, new features, and refactors.
- Leading my team's architecture, design, and style guidelines. Writing design documents, coordinating with company-wide architecture team, and having my team being used as a good example for many patterns.
- Managing AWS infrastructure, mostly EventBridge and SQS messaging.

2022 - 2023 **Blazy Builds**, *Machinist and Assembly Tech*, Denver, CO

- Built custom pieces for trade shows, events, shops, dispensaries, and more. Worked with a small team to deliver professional products made out of a variety of materials such as wood, vinyl, acrylic, glass, foam, and canvas.
- Independently operated multiple industrial CNC router machines. Designed and ran cuts, refined workflow, and performed machine maintenance.

2019 - 2022 **Alarm.com**, *Software Engineer II, Full Stack, .NET*, Centennial, CO

- Created, maintained, refactored, and tested software for home security and automation serving >10 million properties and customers.
- Led development for new features for energy savings, including smart thermostat scheduling to avoid peak periods, and region-wide programs to reduce electric grid load.
- Designed and implemented internal and external APIs. Streamlined bespoke internationalization automation process. Helped run team social committee and plan team-building events.

2017 - 2019 **Tufts Computer Science Department**, *Teaching Assistant*, Tufts University

Summer 2018 **Alarm.com**, *Software Engineering Intern*, Centennial, CO

Summer 2017 **Human-Robot Interaction Lab**, *Research Assistant*, Tufts University

Personal Projects (benmachlin.com/projects)

2023 **Text Twist Revolution**, *Javascript, HTML, CSS*

- A webgame to enhance the original Text Twist word unscrambling game.

2022 **Tab Scroller**, *Javascript, HTML, CSS*

- A webtool to synchronize musical notation with audio.

2018 **Chronography**, *Python, Javascript, HTML, CSS*

- A webtool to view statistics for albums using Spotify data

Skills

Languages C#, JavaScript, Python, HTML, CSS, SQL, bash

Software git, VS Code, SQL Server, Rider, Photoshop, Illustrator