

Ben Fisher

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I'm a full-stack software developer looking for an impactful engineering role. I write well-structured code, solve problems, and build products. I'm seeking to join a team with excellent culture and meaningful values.

LANGUAGES AND PLATFORMS

Languages	JavaScript (11 yrs), TypeScript (6 yrs), Python (11 yrs), HTML5/CSS3 (11 yrs), C# (4 yrs).
Frameworks	React (5 yrs), Node, AWS, PyTorch AI/Machine Learning, Ruby/Rails, C, C++, data analytics.
Server Tech	AWS Amazon Web Services, Lambda, S3, EC2, Google Cloud, Azure, Linux/NGINX/shell scripts.
Other Tools	PostgreSQL, DynamoDB, MongoDB, Figma, Miro, Photoshop, D3.js, Jira/Asana/Trello.
Summary	Strong experience writing reliable, testable, readable code, inspired by design patterns. Focus on communication, user experience, efficiency, security, problem-solving, adaptability, and scalability.

EXPERIENCE

- Lead Software Engineer** Seattle, WA
AmplifyIt 03/2024 - Current
 - Tech lead for a small team developing user-centric software that enhances employee+business productivity, with a focus on field-work businesses. Product uses machine learning/AI processes to identify trends and visualize data.
 - Led team in developing new features including search indexing, timesheet analysis, and role-based security.
 - Personally implemented new key functionality, e.g. a Node backend engine that resiliently runs fleet tracking for vehicles, calls external APIs, and evaluates employee metrics. Created an Azure integration leveraging OpenAI.
 - Extensive full-stack coding, in JavaScript, HTML5/CSS3, Express, SQL, NGINX, for a responsive mobile web app.
- Curriculum Developer, Software Developer** New York, NY (Remote)
Kibo School, other clients 11/2022 - 03/2024
 - Gave recorded lectures teaching computer science concepts. Wrote the textbook and curriculum material for a new college-level ECTS-accredited Software Development course, covering databases, APIs, objects, refactoring.
 - Worked with an international team to adapt material for the school's students in Nigeria, Ghana, and Kenya.
 - Enhanced teacher and staff productivity: configured an auto-grading system to eliminate the time needed for scoring weekly assignments. Consideration towards accessibility and internationalization. [Python]
 - Built a system leveraging Azure AI for bulk document translation, and a project using Google Cloud AI to automatically make targeted modifications at scale to audio files. [Azure, Google Cloud, Amazon Web Services]
- Lead Software Engineer** San Francisco, CA (Remote)
Lively Health Savings Accounts - Tech Lead 05/2022 - 11/2022
 - Tech Lead for team of 5 developers.
 - Code ownership over all FSA account and Visa payment logic.
 - Taught engineers React best-practices, coached and mentored devs, led team through the Agile sprint process.
 - Shipped business-critical features, such as the ability to correctly carry-over FSA funds. In 2 years, Lively climbed from a top 30 to top 10 health-savings provider, with assets managed > \$500 million.
- Lively Health Savings Accounts - Senior Software Engineer* 07/2021 - 05/2022
 - Subject matter expert on 1/3 of codebase. Owned all code running Visa payment processing and wrote reliable logic for monetary transfers. [TypeScript, PostgreSQL, AWS]
 - Enhanced the iOS/Android backend, with a focus on improved security. Collaborated with native app developers to add the ability for users to upload images in a secure and resilient way. [TypeScript, Swift, AWS S3]
 - Significantly improved product (e.g., +8% purchases processed without user intervention), leveraging Lambda. Communicated clearly, collaborated with PM to align with business priorities. [AWS Lambda, DynamoDB, Linux]

- Figma designs into responsive frontend pages. Product lifecycle (research, specs, iteration, shipping, maintenance). Built complex React pages with pleasant transition animations. [TypeScript, React, AWS, HTML5, CSS3]
- Another highlight: designed, implemented, shipped complex Zendesk API integration. Tests, documentation, logs, analytics. Valuable impact, presented to all-hands meeting. [Node, React, Redux, distributed/concurrent jobs]

- **Software Engineer**

Seattle, WA

ViperCard - Project Founder

01/2017 - 11/2020

- Made an online platform where anyone can create interactive apps that resemble the 1980s Classic Macintosh UI.
- #1 on Hacker News, and featured in Vice Motherboard, the Register UK, C't Magazine. Funded by donations.
- Wrote all code including parser/grammar, bitmap editor, in-browser code editor. Architected to modern methodologies (design patterns, layering, unit tests). [HTML5, CSS3, TypeScript, Python+Flask, Google Cloud]

- **Software Development Engineer**

Redmond, WA

Microsoft

06/2010 - 03/2015

- Over two years, studied an inefficient data cache, successfully rewrote it. [C++, performance, database design]
- Every server file opened by desktop Word, Excel and PowerPoint utilizes this code.
- Increased efficiency: MS Word Win8 App saves local files 11% faster. Created MSWord feature editing over P2P [C++, C#]. Wrote code sending data to Azure. Learned engineering best-practices from talented devs.

EDUCATION

- **Olin College**

Needham, MA

Bachelor of Science in Engineering: Computing

08/2006 - 05/2010

Studied algorithms, C programming + Linux, Android mobile development, UX design

AREAS OF INTEREST

- **Tech + Education**

- Designed, created an online system for scheduling parent-teacher conferences, as a volunteer. Used successfully by school district in Whatcom County for 5 years. Gathered requirements from clients and teachers, designed website with UI/UX principles to fit user needs. [Linux, Apache, MySQL, shell scripts]

- **Open Source**

- Community leadership: owner of the SciTE repo for plugins and language translations. Over the past 11 years, coordinated with 31 international authors who added 80 PR contributions.
- Original projects posted at <https://github.com/moltenform> and described at <https://moltenform.com>
- Contributed accepted bug fixes for open source projects, made a GEdit regex plugin that was briefly popular. Proficient in Linux environments and Git+GitHub.

- **Other Interests**

- Gathering friends together over a home-cooked meal, writing music, making dark chocolate truffles by hand.