Ben Fisher

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

Languages and Platforms

Languages	JavaScript (10 yrs), TypeScript (6 yrs), C++ (6 yrs), C (4 yrs), C# (4 yrs), HTML5/CSS3 (10 yrs).
Frameworks	Node (7 yrs), React/Redux (4 yrs), Python/Django, Java/Angular, PyTorch AI/Machine Learning.
Database Tech	PostgreSQL, DynamoDB, MongoDB, MySQL, ESENT. Advanced SQL, data modeling, analytics.
Platform Tech	AWS Amazon Web Services, Lambda, API/REST/GraphQL/services, Google Cloud, Azure.
Basic Tools	Shell scripts, Linux, Git/GitHub, Figma, Photoshop, Jira, Jenkins CI/CD, S3/IAM, Visual Studio.
Summary	Strong experience writing reliable, testable, readable code, inspired by design patterns. Focus on communication, efficiency, user experience, security, problem-solving, adaptability, and scalability.

Experience

- **AmplifyIt** Seattle, WA
  Lead Software Engineer *Current Role*
  - Beginning a new role.

- **Freelance** Seattle, WA, Remote
  Senior Software Engineer *4/2023 - 01/2024*
  - Made an engaging website where customers can drag-and-drop hundreds of components to style their purchases. Full-stack: responsive frontend, efficient backend, credit card payment. [JavaScript, React, HTML5, CSS3, Node]
  - Developed project for client using AI to make targeted modifications at scale to audio files. [Python, Azure cloud]
  - Under contract currently with Austin-based startup, building greenfield interactive full-stack app. [React, Node]
  - DevOps initializing+securing servers for clients, logging/monitoring, deploying to production. [Express, NGINX]

- **Kibo School** New York, NY, Remote
  Curriculum Developer *11/2022 - 4/2023 (Short-term Contract)*
  - 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.
  - Authored inspiring project assignments, created quiz auto-grading scripts. [Python, API Design, GitHub Actions]
  - Worked with an international team to adapt material for the school's students in Nigeria, Ghana, and Kenya.

- **Lively Health Savings Accounts** San Francisco, CA, Remote
  Senior Software Engineer, Tech Lead *05/2022 - 11/2022*
  - Tech Lead for team of 5 developers.
  - Shipped business-critical features for debit card management, infrastructure to support carry-over FSA accounts.
  - Taught engineers React best-practices, coached and mentored devs, led team through the Agile sprint process.
  - In 2 years, Lively climbed from a top 30 to top 10 health-savings provider, with assets managed > $500 million.

  Senior Software Engineer *07/2021 - 05/2022*
  - Subject matter expert on 1/3 of codebase. Owned all code running Visa payment processing. Constructive code reviews+guided the team. Wrote reliable logic for monetary transfers. [TypeScript, PostgreSQL, AWS]
  - Coordinated dev infosec effort to protect the product + secure all APIs, essential to company SOC2 compliance.
  - Significantly improved product (e.g., +8% purchases processed without user intervention). Communicated clearly, and collaborated with PM on new enhancements. [AWS Lambda, DynamoDB, Linux/systemd, service design]

Full Stack Software Engineer   *11/2020 - 07/2021*

- ○ Figma designs into elegant responsive (mobile/desktop) frontends. Product lifecycle (research, specs, iteration, shipping, maintenance). Multi-part uploads w/ real-time graphics. [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]

- **ViperCard**   Seattle, WA

  Project Founder, Software Engineer   *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]

- **Microsoft**   Redmond, WA

  Software Development Engineer   *06/2010 - 03/2015*

  - ○ Over two years, studied an inefficient data cache, successfully rewrote it. [C++, performance, database design]

  - ○ Every server file opened by Word, Excel and PowerPoint relies on 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.

- **Avid Technology**   Tewksbury, MA

  Software Engineer Internship   *06/2008 - 08/2008*

  - ○ Contributed enhancements to Avid's Media Composer video editor (used by 80% of American TV studios), addressed reliability issues [C++].

  - ○ Modernized graphics engine code for 64-bit compatibility, correcting unsafe pointer manipulation. [C++, Python]

EDUCATION

- **Olin College**   Needham, MA

  Bachelor of Science in Engineering: Computing   *08/2006 - 05/2010*

  Studied algorithms, mobile app development, user research, interface design, human factors

AREAS OF INTEREST

- **Tech + Education**

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

- **Open Source**

  - ○ Active maintainer of the SciTE code editor's official repo for plugins and language translations. Over the past 10 years, coordinated with 29 international authors who added 77 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 candies.