Eric David Brown

399 Pleasant St, Canton MA, 02021
(563) 581-8229, eric.d.brown23@gmail.com

Work Experience

Technical Engineering Manager   June 2017 - Present
Salsify Inc, Boston, MA

- Manager of a fully remote team of 5 software engineers, focusing on the scalability of Salsify's indexing and search capabilities
- Spearheaded the rollout of Service Level Objectives (SLOs) across Engineering, and evangelized their importance and success to Product and Business Leadership.
- Focused the team on significant architectural improvements to the highest-scale services at Salsify by creating and iterating on a much needed project process which aligned scale needs with business objectives
- Designed a certification process which enabled teams at Salsify, including my own, to validate that our focus on improved scalability was working, and that it was also meeting the needs of the business

Tech Lead, WiFi Firmware Team   December 2014 - May 2017
Starry Inc, Boston, MA

- Managed small team of engineers in the development of all software for the Starry Station and Starry Wing
- Developed a custom system administration database in C++ which manages the hardware and software configuration of Starry components
- Installed an agile process, with feature tracking and story administration via Jira. Ran standups and sprint planning meetings in order to improve software organization throughout the company

Software Engineer, Streamer Team Lead   June 2013 - November 2014
Aereo Inc, Boston, MA

- Led team of four to maintain and add features to the Aereo custom Streamer, written in C++ and Python, which served all video streams to clients on multiple platforms
- Improved streaming performance for HLS-based clients by implementing an $O(\log n)$ video binary search algorithm in C++ that supplanted an $O(n)$ linear search. Further increased performance by moving to an $O(1)$ time stamp data structure with file system caching of indices

Education

Bachelor of Science in Engineering   Graduated May 2013
The University of Iowa, Iowa City, IA
Major: Computer Engineering; Minor: Computer Science
GPA: 3.7/4.0

Personal Project Experience

- Public Github repositories located at https://github.com/edbrown23
- Visit https://barkeep.website for a home bartending application which can help you track all of the ingredients in your bar while recommending new cocktails based on what you have available

References available upon request