

Ben Heath

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Background

A Senior Software Engineer with 5+ years experience developing and designing full-stack applications as both Technical Lead and Individual Contributor, using Javascript and Python. Consistently demonstrates speed, adaptability, grace, and leadership.

Experience

Recharge Payments - Storefront Team

Senior Software Engineer - Fullstack

Remote

June 2024 - Present

- Led migration of cloud functionality from Google Cloud Platform to DAPR, which led to saving \$\$\$.
- Led the development of Checkout Incentives Analytics. Built new analytics data pipeline, APIs, and UI pages. Iteratively added additional functionality in both the API and UI.

The MITRE Corporation

Lead Software Engineer

Senior Software Engineer

Software Engineer

Bedford, MA

May 2023 - May 2024

March 2020 - May 2023

September 2019 - March 2020

- Technical Lead for a team of 4 engineers, developing a high-visibility, high-impact prototype to advance novel concepts of Situational Awareness for warfighters in complex battlespaces. Responsibilities include directing architecture for application, planning feature development based on requirements gathered from multiple sponsors, and leading agile processes.
- Technical Lead for internal Enterprise-wide Capability tool for collating, visualizing, exporting, and modifying scenario experiment and design data to be used in CAASD's Collaborative Research Environment, along with Sponsor and other contractor use. Lead a refactor of a previous version of the application, utilizing connections from within MITRE to prioritize code reuse, saving both time and money for additional development.
- Technical Lead for refactoring of internal Lab Resource Reservation System, a legacy system which is used to reserve areas, equipment and other resources associated with internal MITRE lab spaces, helping save sponsors money by improving coordination between projects and staff.
- Developer on The Fight Is In Us project, home to the latest information about convalescent COVID plasma (CCP) research. Helped save approximately 96,000 lives, generated more than 100,000 donation referrals, and drew over 7 million site visits, which led to an additional \$29M in funding.
- Developed CI/CD pipelines using Gitlab CI/CD, Bamboo, and Drone.
- Contributor to technical papers detailing to the Sponsor how to develop and deploy capabilities more quickly while minimizing cost by transitioning from large, monolithic systems to an incremental acquisition strategy that leverages common data feeds and services to ensure that end user applications receive consistent data.
- Experience across multiple projects providing technical mentorship to junior developers and interns, helping teach best practices, debug code, etc.
- Full-stack developer across multiple sponsor spaces (healthcare, aviation, internal tools, national security). Experience implementing custom UI designs using D3 and Vue.js, and creating REST APIs in Node.js + Express and Flask.
- Created design mockups for multiple projects, which reduced months of iterative development time and allowed us to more rapidly scale up development, saving our project both time and money.

Tech for Campaigns

Software Engineer Volunteer

Remote

January - May 2021

- Developed a full-stack voter registration application in partnership with the Pennsylvania Department of State. The goal of the effort is for the application to replace the current form used by the DOS. Application written in React, Node.js, Express.

Education

Georgia Institute of Technology

MS Computer Science, Specialization in Machine Learning

Remote

University of Michigan

BS Computer Science, Minors Physics & History

Ann Arbor, MI

Additional Skills

- Languages: **JavaScript** (Vue.js, React, Remix, Node.js), **Python** (Flask, Django, Pandas), PHP, SQL
- Technical: Docker, Drone, Kubernetes, CSS (Sass), Bootstrap, Tailwind, Traefik, Bash, Gitlab-CI, Bamboo, AWS, Azure, SQL, MongoDB, Git, DAPR, Google Cloud Platform
- Non-Technical: Communication, Mentoring, Positivity, Adaptability, Organization