Ben Heath

Boston, MA | 914-584-0932 | benjheath0@gmail.com | www.benjamin-heath.com

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Background

A Senior Software Engineer with 4+ 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   *Remote*
Senior Software Engineer   *June 2024 - Present*

- Senior Developer on Storefront Team. Python (Flask, DAPR), Javascript (React, Remix, Vue), Google Cloud Platform
- Migrated cloud functionality from GCP -> DAPR (TODO: add more)
  - saved us $X, yada yada
- Built out Analytics for new Checkout Incentives Product
  - how many requests per second? whats response time?

The MITRE Corporation   *Bedford, MA*
Lead Software Engineer   *May 2023 - May 2024*
Senior Software Engineer   *March 2020 – May 2023*
Software Engineer   *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   *Remote*
Software Engineer Volunteer   *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.

The MITRE Corporation   *Boston, MA*
Software Engineering Intern   *May – August 2018*

- Helped develop a full-stack application prototype to streamline acquisition market research for government agencies. Gained experience creating a REST API, writing unit & integration tests, and implementing front-end features in Node.js and Vue.js.
- Implemented full-stack code on a large scale Django/jQuery application to help VA doctors perform research in a collaborative environment.

Education

Georgia Institute of Technology   *Remote*
MS Computer Science, Specialization in Machine Learning

University of Michigan   *Ann Arbor, MI*

BS Computer Science, Minors Physics & History

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
- Non-Technical: Communication, Mentoring, Positivity, Adaptability, Organization