

Jeffrey Douglas

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Education

Bachelor of Science - Electrical and Computer Engineering

Northeastern University

2015-2019

- Minor - Mathematics

Experience

Founder/Fullstack Software Engineer

Larry Fisher Labs

2022-Present

- Personally created entire website/product from the ground up (excluding art)
- Built backend in js (javascript) with only express, ethers and canvas packages*
- Built web3 backend in solidity writing my own innovative smart contracts to tackle unsolved web3 design problems as well as extending Open Zeppelin contracts like ERC721 and ownable contracts*
- Designed frontend in js with only react, redux, ethers, canvas, and styled components packages**
- Designed personal/company website in js using next and tailwind css packages***
- Created automated testing pipeline for smart contracts which was capable of spinning up local fork of blockchain and going through possible full life cycles for each contract with periodic batches of tests

Fullstack Software QA Engineer

SBE Vision

2020-2021

Wakefield, MA

- Created and maintained kubernetes cluster for e2e (end to end) testing infrastructure
- Built and maintained fully automated QA infrastructure across the stack using:
 - Front end: Selenium, Zalenium
 - Back end: Postman runners, Newman
 - Logging and visualization: ELK stack, Filebeat, Grafana
- Built and maintained CI/CD pipelines in Gitlab for standard nightly e2e testing of full stack, important specific merges and branches, and other miscellaneous needs of team
- Oversaw nightly testing and visualization of logs for all pipelines using Kibana
- Helped team maintain/troubleshoot production, user-facing kubernetes clusters where necessary
- Participated in calls with important customers like Ford and Oracle in order to explain and sometimes help sell products, help troubleshoot usage of products, and get feedback on how to make products more helpful/easier to use in order to structure tests
- Created and maintained useful interactive kibana dashboards for all logs generated by our system
- Used my e2e testing kibana dashboard daily in order to check all failed tests, gather their logs with corresponding Selenium videos for frontend errors, use logs and videos to figure out error and what change caused it, report findings to relevant team members and help them troubleshoot
- Managed Jira for QA, helped manage Jira for team on important features and ran scrum when needed

Electrical Engineering Coop

Scully Signal Co

2016-2017

Wilmington, MA

- Implemented and tested software on microprocessors for company products
- Worked with lead engineers to build and code test boards and debug board logic
- Assisted with field, safety, and QA testing on main product line
- Worked with team leads to create and improve project roadmaps and designs

Business Assistant and Field Worker

Russell Disposal

2011-2020

Somerville, MA

- Started as mechanic's assistant in vehicle garage
- Worked on back of company trash/recycling/yard waste trucks
- Led and managed various business aspects in back office including customer service, company financials, inventory management, and deposits
- Worked as field supervisor/communications coordinator with partner office

Links

* **Code Repo:** <https://github.com/LarryFisherLabs/>

Here you can find all the code for my Larry Fisher Labs projects.

** **Web3 App:** Version 1 (Stable): <https://armyants.vercel.app/> Version 2 (WIP): <https://testants.vercel.app/>

Project to develop software skills across stack while recovering from now resolved health issues. Includes added complexity of new web3 technology in stack. This niche stack element forced: innovation as opposed to learning strictly from example, as well as a deeper understanding of the mainstream stack elements used around it. V2 has extra features/more interactive UI. Both work best on Chrome w/ Metamask plugin or Brave Browser for mobile.

*** **Personal Site:** <https://larryfisherlabs.vercel.app/>

Contains more details about personal projects, work experience, skills and me.