Lars

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Education

Bachelor of Science - Electrical and Computer Engineering
Northeastern University   2015-2019   GPA: 3.2/4
- Minor - Mathematics

Experience

Founder/Fullstack Software Engineer
Larry Fisher Labs   2022-Present
- Personally created entire website/product from the ground up (excluding art)
- Designed frontend in js with only react, redux, ethers, canvas, and styled components packages
- Built backend in js with only express, ethers and canvas packages
- Built web3 backend in solidity extending Open Zeppelin's erc721 and ownable contracts
- Designed personal/company website in js using next and tailwind css packages
- Created automated testing pipelines for smart contracts which were capable of:
  - Spinning up local fork of ethereum
  - Going through possible full life cycles for each contract
  - Running all happy path and security tests for given contract periodically throughout life cycles

Fullstack Software QA Engineer
SBE Vision   2020-2021   Wakefield, MA
- Built and maintained kubernetes cluster for end to end testing infrastructure
- In charge of building and maintaining fully automated QA infrastructure across the stack using:
  - Front end: Selenium, Zalenium
  - Back end: Postman runners, Newman
  - Logging and visualization: ELK stack, Filebeat, Grafana
- Responsible for building and maintaining CI/CD pipelines in Gitlab for:
  - Standard nightly e2e testing of full stack
  - Important specific merges and branches
  - Other miscellaneous needs of team
- Responsible for overseeing 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 sell products
  - Help troubleshoot usage of products
  - 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 failed test logs with corresponding Selenium videos for frontend
  - Use logs and videos to figure out error and what change caused it
  - Report findings to relevant team members
  - Help troubleshoot errors
- 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
- Responsible for implementing software for microprocessors
- 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 project roadmaps and improve designs