JACK FRATE | jack.frate24@gmail.com | (440)-226-9921 | linkedin/jack-frate | github/jackfrate

Passionate software engineer currently specializing in multiple frontend frameworks and modern web API's such as MediaStream and Canvas. Seeking a challenging role where I can grow my skills and make a positive impact.

EXPERIENCE

Software Engineer II **ScreenCastify** **02/2023 - Present**
- Implemented global re-brand of extension and web platform in React for 500,000+ users.
- Collaborated on a shared state solution between our web-app and extension using MobX state tree and extension APIs.
- Helped migrate legacy code base to a new web based platform.
- Pioneered the engineering guild to promote cross team collaboration, learning, and group decision making.
- Helped create documentation of best practices within our stack, promoting uniform standards through linting.

Software Engineer **Showpad** **08/2021 - 12/2022**
- Rapidly iterated on an Angular-based video/screen recording & editing solution, making it best in class in terms of user experience and performance. Notable features are virtual backgrounds (via TensorFlow + WebGL), video trimming, thumbnail editing, and uploading data during media recording.
- Worked in a task force to re-design the platform's learning solution, focusing on architecture for upload & recording flows.
- Received Gold Spot Award for engineering growth and performance.
- Gave frequent demos to stakeholders in department wide meetings.

Engineering Lead **Cyber Surfer, LLC** **06/2020 – 09/2020**
- Led implementation of the world's first hoverboard controller for VR using python and off-the-shelf hardware.
- Collaborated on architecture in C#/Unity to optimize performance for game to board communication.
- Implemented and led team processes for code best practices, CI pipelines, and Git workflows.
- Led creation of a Kanban/SCRUM Ceremony workflow for an interdisciplinary team of programmers, artists, industrial designers, and game designers.

Software Engineer Co-Op **Datto** **01/2020 – 05/2020**
- Worked with the core product team, maintaining flagship device image recovery software for thousands of customers.
- Helped rework a monolithic PHP application to a REST based architecture, removing tech debt to ship features faster.
- Fixed a key storage bug that impacted almost all customers.

Software Engineer Co-Op **Solu Technology Partners** **01/2019 – 08/2019**
- Maintained front & back end microservices for an internal personnel management app using Angular and Java Spring..
- Independently designed and implemented full stack Google Calendar integration for internal tooling, helping managers coordinate their teams.

EDUCATION

Rochester, NY **Rochester Institute of Technology** **08/2016 – 05/2021**
B.S. Software Engineering | Dean's List | Society of Software Engineers - Frontend Tech Talk

OPEN SOURCE CONTRIBUTIONS

ng-web-apis/common (20,466 weekly downloads)
Fixed a bug with the page visibility API wrapper, where multiple subscribers were not being notified correctly.

PROJECTS

Urban Data Science (Senior Project)
Problem: Help communities suffering from income inequality create economic growth opportunities.

Solution: A student team working with sponsors building an open source React Native app for community members to gather and report data at a grassroots level, helping to democratize community data and identify growth opportunities.

PROFICIENT SKILLS

- Typescript/Javascript
- React
- Angular
- Next js
- Vercel
- Python
- AWS
- SQL and NoSQL databases
- Docker