Joseph Lyon

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Full Stack Developer *Specialty*: Systems Design, DevOps, and Scalability
Flexible software engineer - Known for being able to examine problems, develop solutions, and see them to completion. As well as a strong willingness to learn.
- **Scalable Systems** - Able to design systems to be scaled and expanded with growing needs.

Education:
- Junior at Rensselaer Polytechnic Institute (RPI), Troy, NY

Technical Skills:
Go | Typescript | VueJS | Webpack | Docker | Kubernetes | Redis | Postgres | MySQL | Java | Python | C++ | PHP | InfluxDB | AWS | Terraform

Work Experience:
Full Stack Developer (CO-OP) PowerSpike Inc. (April 2018-December 2018)
Worked to improve all areas of an the new company's tech stack. Developed new data collection and metrics systems, implemented a DevOps pipeline with CI, designed a scalable link tracking solution, worked in VueJS and Typescript, and incrementally improved legacy systems. As a member of PowerSpike, went through the TechStars Atlanta accelerator.

Highlights:
- Designed and developed a scalable tracking link application which includes live monitoring utilizing the TICK stack and zero downtime deployments.
- Company wide metrics - Added metrics and down detection monitoring to several systems in the company.
- Incremental Application improvements - Strived to incrementally improve legacy applications to meet modern standards, working to eliminate technical debt and improve overall code quality. Including testing legacy code, and reimplementation of parts of the legacy application while keeping current design specifications.

Other Experience:
Student Senator (2017-Present)
- As a senator I represent my constituents, members of the student body, in many different contexts. I collaborate with other senators, work with administrators, and vote on legislation in order to improve the lives of students on campus.

Web Technologies Group (2016 -Present) - webtech.union.rpi.edu
- Vice-Chairperson - Web Technologies Group Coordinate other members of the group in order to facilitate production and management of open source projects.

Projects:
- Shuttle Tracker - Web Technologies Group - https://shuttles.rpi.edu - https://github.com/wtg/shuttletracker I work with a group of individuals to maintain this Open Source application used by nearly 4000 students per month.
    - Technologies: VueJS, Typescript, Go, Postgres