Julianne Kloza

Full Stack Software Engineer

jkloza205@gmail.com
(908) 309 5461
(she/her/hers)

SUMMARY

Software engineer with experience designing and developing web applications from napkin sketch to full-service product. Passionate about clean technology that drives positive impact for the community.

EDUCATION

Bachelor of Science in Computer Engineering
Northeastern University
Sept 2014 – May 2019
Deans Scholarship, Society of Women Engineers, IEEE

SKILLS

- Javascript (ES6, React, Node,js)
- Typescript
- GraphQL (Apollo)
- SQL (PostgreSQL, PgAdmin)
- Python
- AWS (Lambda, Dynamo, S3, IAM, Cloudwatch, QuickSight)
- Docker
- Git/Gitflow
- Mobile Development (React Native, iOS/Android, App Center)
- Jest

INTERESTS

Ultimate frisbee, hiking, NBA (Go Celtics!), cooking the veggies grown in my garden, reading, playing with my cat

WORK EXPERIENCE

Software Engineer II
Freight Farms – Boston, MA
Oct 2018 – Present

- Key developer of farmhand, a multi-service web application built using *ReactJS*, *Node*, and *Typescript* that allows customers to monitor and control a Freight Farm
- Facilitated the creation of the iOS and Android app companions of farmhand using *React Native* and responsible for maintaining parity between web and mobile apps by deploying consistent updates
- Designed and implemented the front and backend of a user interface to align with upgraded hardware capabilities that allows users to test their farm's LEDs at different dimmable settings
- Built a data visualization tool that queries *DynamoDB* for large amounts of time series data, formats the data, and displays a series of area and line charts using the *React* library *Recharts*
- Established integration with *AWS Simple Notification Service* to provide text and email alerts to farmhand users
- Built a time-lapse feature using *React*, *AWS Lambda*, photos stored in *S3*, and a video processing library *ffmpeg*, where users can customize and download a video of the plants growing in their farm
- Contributed to database design and development of current farmhand data schemas
- Integrate datasources with *AWS Quicksight* to generate reports and dashboards that measure farmhand usage metrics
- Lead team in testing efforts using *Jest* to have unit test coverage across functional libraries

NON-TECHNICAL

- Troubleshoot customer problems and collaborate with customer service team to implement bug fixes and solutions
- Collaborate with product manager, designer and a team of engineers to provide design feedback and estimate work timelines
- Demo software to different stakeholders on internal teams and provide external facing demos for potential customers
- Conduct daily standup to keep team and leadership informed on task progress and to maintain an efficient release schedule

Software Engineering Co-op
New Age Micro – Mansfield, MA
July 2017 – Dec 2017

- Designed and built a library using Structured Text to allow for serial communication between older and newer industrial systems
- Re-organized documentation and test plans to improve quality assurance procedures