Julianne Kloza

Full Stack Software Engineer

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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, React Native)
- Typescript
- HTML/CSS
- AWS (Lambda, Dynamo, S3, IAM, Cloudwatch)
- SQL (PostgreSQL, PgAdmin)
- GraphQL (Apollo)
- Git/Gitflow
- Swift (iOS)
- Agile/Scrum

INTERESTS

Gardening, ultimate frisbee, the Celtics, cooking, reading, hiking, music, movies, long walks on the beach

WORK EXPERIENCE

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

TECHNICAL

- Key developer of farmhand, a multi-service web application built using *Node*, *Typescript*, and *ReactJS* that has scaled from 0 to 200+ customers
- Primary developer on 10+ features within farmhand that focus on increasing customer engagement and ease of use, including a data visualization/analysis tool using *Recharts*, a timelapse feature using *AWS Dynamo, AWS Lambda,* and *ffmpeg*, and a sensor alert
- Curated in-app workflows to save customer labor hours when utilizing crop tracking services and creating farm analyses
- Conducted performance analyses on data visualization tool and implemented parallelization strategies to improve loading times
- Facilitated the creation of the iOS and Android app companions of farmhand using *React Native* through collaboration with contract designers and developers
- Responsible for maintaining parity between web and mobile apps and deploying consistent updates
- Involved in integrating multiple third-party services such as *Shopify* which directly facilitates increased revenue and *Firebase Cloud Messaging* which manages push notifications for the mobile apps
- Contributed to database design and development of current farmhand data schemas
- Contributed to API integrations with multiple data sources such as *AWS Dynamo, AWS S3*, and *AWS RDS* using *PostgreSQL*

NON-TECHNICAL

- Troubleshoot customer problems with customer service team and work together to implement bug fixes and solutions
- Demo software to stakeholders on internal teams and provide external facing "master classes" for potential customers
- Provide detailed code review and testing of peer work
- Founding member of Freight Farms internally run DEI group - Open Doors - which facilitates conversations within the group around the intersection of race, agriculture, and technology
- Attends community events and engage with other organizations in the farming and food production space

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 legacy and current industrial systems
- Re-organized documentation and test plans to improve quality assurance procedures