

## Contact

[www.linkedin.com/in/katekuehl](https://www.linkedin.com/in/katekuehl)  
(LinkedIn)  
[katekuehl.com](https://katekuehl.com) (Company)

## Top Skills

Leadership  
Public Speaking  
Python

## Languages

English (Native or Bilingual)  
Swahili (Elementary)

## Honors-Awards

Entrepreneurship Student of the  
Year 2018 - University of Minnesota  
BizPitch - Overall, Social, and Crowd  
Favorite Winner  
Minne Inno's 25 Under 25  
MinneHack - Overall and Domain  
Winner  
First Place at Hack the Gap

## Publications

Understanding "Death by GPS" : A  
Systematic Analysis of Catastrophic  
Incidents Associated with Personal  
Navigation Technologies  
The Geography of Pokémon GO:  
Beneficial and Problematic Effects  
on Places and Movement

# Kate Kuehl

Lead App Engineer @ FieldKit | Flutter  
Minneapolis, Minnesota, United States

## Summary

Full-Stack Software Engineer with over 6 years experience building great products and finding insights from data.

[katekuehl.com](https://katekuehl.com) | [katekuehl.medium.com](https://katekuehl.medium.com)

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## Experience

### FieldKit

#### Senior App Engineer

July 2023 - Present (2 years 1 month)

- Programmed app redevelopment
- Designed more than fifteen UX/UI improvements, improving the user experience and app flow
- Launched a code testing initiative for a Flutter app project, developing and implementing unit tests
- Enhanced the project's README and in-line documentation, contributing to improved clarity, usability, and accessibility for current and future developers.
- Led the initiative for a bug disclosure policy, which led to the identification and categorization of nine disclosures, subsequently addressed to enhance security and reliability.

### Silicon Savannah Solutions

#### Founder/Recruiter

June 2024 - Present (1 year 2 months)

- Founded a boutique recruiting firm connecting U.S. startups with top-tier Kenyan software engineers, UX designers, and technical talent.
- Built a high-trust, referral-driven talent network by personally vetting candidates and maintaining long-term relationships.
- Designed and led a culturally conscious recruiting process, offering coaching to both sides for stronger remote team collaboration.
- Placed senior engineers at U.S. startups in roles spanning full-stack, mobile, cybersecurity, and UI/UX design.

- Implemented technical assessments, pair programming, and real-world project reviews to ensure quality matches.

## AquaRech LTD

### Advisor on Digital Product

January 2020 - July 2024 (4 years 7 months)

Kisumu, Kenya

- Conducted code reviews on Java app and planning for new app
- Designed changes in the app in Figma with user feedback
- Advised on streamlining business processes using technology

## Kuhl Consulting

### Software Engineer

October 2021 - July 2023 (1 year 10 months)

Greater Minneapolis-St. Paul Area

- Designed HIPAA compliant architecture and implemented it for extending messaging on women's digital health startup, Visana, with AWS and React Native
- Programmed Angular front-end to double user time spent on the site for a job networking startup
- Worked with founder to build technical requirements, branding, and wireframes for augmented reality sound app called Voy
- Increased speed of Android ID scanning application for a bar analytics company
- Worked with travel startup to build new pages for front-end using Vue

## University of Minnesota

### Software Engineer 3

May 2021 - October 2021 (6 months)

Minneapolis, Minnesota, United States

- Built requirements documents for new clients to assess and clarify needs
- Troubleshoot and solved bugs in existing python applications to improve performance speeds and user experience

## C.H. Robinson

### Software Engineer

December 2019 - May 2020 (6 months)

Eden Prairie, Minnesota, United States

- Built dashboard for transportation monitoring using React

- Interviewed call center users to understand user experience needs and build requirements

## Crop Nutrition Laboratory Services

### Software Engineer

January 2019 - November 2019 (11 months)

Nairobi, Kenya

- Conducted background research and user studies into a new product line for soil sampling
- Developed Gantt chart and architectural design of Android application
- Designed and helped implemented new Android application using Flutter
- Lead outreach and collaboration with farmers and agronomists on digital solutions
- Unit tests, automation, and code reviews
- Developed Flask APIs to integrate with existing SQL database

## RED Market

### Web Designer and Software Developer

January 2018 - September 2018 (9 months)

Greater Minneapolis-St. Paul Area

- Added features, eliminated bugs, and streamlined process on website
- Evaluated customer needs and retention to develop a new user interface

## University of Minnesota

2 years 1 month

### Undergrad Researcher

September 2016 - May 2018 (1 year 9 months)

Greater Minneapolis-St. Paul Area

- Designed and implemented study on the ripening of fruits in the near-infrared spectrum
- Wrote code in Python, C++, and Arduino for graduate students' projects

## MnDrive Robotics and Summer Computing Academy

May 2016 - May 2018 (2 years 1 month)

Greater Minneapolis-St. Paul Area

- Successfully taught the concepts of Dijkstra's Algorithm to ten-year-olds by creating new game
- Transformed coding curriculum for Scribbler Robots, causing it to change from the lowest rated activity to the highest

- Developed curriculum and taught program to teach undergraduate STEM women+ makerspace skills, including soldering, laser cutting, and woodworking skills

### Grouplens Research

#### Undergraduate Researcher

October 2015 - September 2016 (1 year)

Minneapolis, Minnesota

- Published peer-reviewed academic papers on catastrophic failures of GPS navigation devices and Pokémon Go in CHI
- Developed Python scripts for mining data out of Pokémon Go for spatial analysis

### Travelers

#### Programming Intern

May 2015 - September 2015 (5 months)

Greater Minneapolis-St. Paul Area

- Led a team of five interns to develop a dashboard for reporting defects and server errors within the department
- Developed code in VBScript and Batch to transfer websites into a new format and generate reports

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## Education

### University of Minnesota-Twin Cities

Bachelor's degree, Food Systems with Minors in Computer Science, Applied Economics and International Agriculture