

# Katherine Ebel

## Software Engineer

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### 📁 PROFESSIONAL EXPERIENCE

- Software Engineer, Hare Media Group** [🔗](#) January 2023 – present
- Rapidly acquired proficiency in Java and Spring Boot from scratch, becoming a key contributor to the development of new features.
  - Integrated TailwindCSS, Pebble, and AlpineJS to create a cohesive and performant front-end architecture, resulting in streamlined user experiences and a boost in overall application performance.
  - Excelled in a remote work environment within a small, agile team, implementing effective communication strategies and agile practices that contributed to sustained productivity and team cohesion.
- Freelance Software Engineer, Self-employed** [🔗](#) 2019 – present  
Green Cove Springs, USA
- Engineered and deployed a custom website for a local entrepreneur using React, Node.js, and Heroku.
  - Integrated Mailgun API for email functionality and set up a custom domain for a personalized touch.
  - Continuously manage site maintenance and content updates to ensure optimal performance and relevance.

### 📁 TECHNICAL PROJECTS

- Skopos, Co-Creator, Software Engineer** [🔗](#) 2022
- Open-source API monitoring tool focusing on multi-step API workflows and parallel test execution. (<https://skopos-api-monitoring.github.io>) [🔗](#)
- **Remote Collaboration:** Teamed up with engineers using Slack, Zoom, and GitHub in a remote setting.
  - **Frontend & Usability:** Spearheaded UI design with React and TailwindCSS, adding drag-and-drop reordering feature to allow for intuitive re-ordering of API tests.
  - **Testing & Quality:** Elevated code quality through Jest, React Testing Library, and Formik input validation.
  - **Backend & Integration:** Leveraged Apollo Client for state management and optimized data queries. Integrated AWS EventBridge and SNS for automated test execution and notifications.
  - **DevOps:** Created CLI for automated AWS deployments using AWS CDK and npm.

### 🧠 SKILLS

#### Front End

HTML/CSS, Bootstrap, Styled Components, Tailwind CSS, AlpineJS, JavaScript/TypeScript, React/Redux, NextJS, Gatsby, Pebble

#### Back End

Node.js, Express, Ruby, Rails, Sinatra, RESTful APIs, GraphQL, Prisma ORM, PostgreSQL, MongoDB, Spring Boot (basic knowledge)

#### Other

AWS (CDK, Lambda, EventBridge, S3, ECS, RDS, SNS), Docker, Git, Linux, Heroku, Slack, Zoom, GitHub

### 🎓 EDUCATION

- Software engineering & full-stack web development, Launch School** [🔗](#) 2021 – 2022
- Associates, Valencia College** 1997 – 1999
- Associates, Brigham Young University-Idaho** 1994 – 1996