Katherine Ebel

Software Engineer

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📍 Green Cove Springs, Florida

💼 TECHNICAL PROJECTS

2022   **Skopos,** *Co-Creator, Software Engineer* 🔗

Skopos is an open-source API monitoring tool designed for testing multi-step API workflows and running collections of tests in parallel.

- Collaborated remotely with a team of engineers using Slack, Zoom, and GitHub.
- Developed/tested React application that integrates with a GraphQL API.
- Implemented in-memory cache using Apollo Client to limit requests to backend.
- Improved performance by adding pagination for queries that potentially return a significant amount of data.
- Integrated GraphQL API with AWS EventBridge and SNS using AWS SDK.
- Used AWS CDK to develop CLI, and published as npm package to automatically deploy services to a user's AWS account.
- Co-authored a comprehensive case study (https://skopos-api-monitoring.github.io) 🔗 on the design decisions encountered while developing the project, and the problems Skopos solves.

2022   **WireSnoop,** *Full-stack application to capture and inspect web hooks* 🔗
- Developed using React, Node.js, Express, MongoDB, PostgreSQL
- Used Socket.IO for real-time updates to React UI

2022   **JobHunt,** *Full-stack application that tracks job application status* 🔗
- Developed using React, Redux, Styled Components, Node.js, Express, MongoDB
- Implemented Authentication using JWT

🧠 SKILLS

Front End
HTML/CSS, Bootstrap, Styled Components, Tailwind CSS, JavaScript/TypeScript, React/Redux, NextJS, Gatsby

Back End
Node.js, Express, Ruby, Rails, Sinatra, RESTful APIs, GraphQL, PostgreSQL, MongoDB

Other
AWS (CDK, Lambda, S3, ECS, RDS), Docker, Git, Linux

🎓 EDUCATION

2021 – 2022   **Launch School,** *Software engineering & full-stack web development* 🔗

1997 – 1999   **Valencia College,** *Associates*

1994 – 1996   **Brigham Young University-Idaho,** *Associates*

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