Elizabeth Roberts

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[Website](https://portfoliobeyond.com/)

## Education

## B.S. in Computer Science |

## Whitworth University

* GPA: 3.86
* September 2018 – May 2022

Relevant Coursework:

* Operating Systems
* Software Engineering
* Computer Architecture
* Advanced Algorithm Design and Analysis
* Web Application Development
* Computer Graphics
* Database Management

## Skills

Programming Languages: Ruby on Rails, JavaScript, Python, C/C++

AWS Cloud Technologies: EKS, EC2, ECR, Lambda, S3, SQS, Route 53, VPC

Container Technologies: Docker, Kubernetes (EKS), Keda (Kubernetes Event-Driven Autoscaling)

Version Control: GitLab, Bitbucket

CI/CD: Drone CI, GitLab

Project Management: Jira

Job Processing: Sidekiq, Redis

## Employment History

## Software Engineer | Two Barrels LLC

January 2023 – Present

* Hosted Ruby on Rails applications on Kubernetes clusters, ensuring seamless deployment and scalability.
* Managed cloud infrastructure on AWS, deploying on EKS.
* Experience utilizing Kubernetes features such as deployments, services, and ingress controllers to manage application resources effectively.
* Developed components in web applications using Vue.js, while utilizing Vuex for state management and integrating with a RESTful API.
* Utilized Docker for containerization, ensuring portability of applications across environments and facilitating efficient deployment and orchestration of Ruby on Rails applications.
* Utilized ECR for creating and managing private container registries, enabling secure storage and distribution of Docker container images.
* Leveraged S3 for scalable storage of files and assets.
* Managed DNS records and routing using Route 53 for seamless access to applications.
* Implemented CI/CD pipelines with Drone CI, automating build, test, and deployment processes.

## Automation Engineer | Two Barrels LLC

May 2022 – January 2023

* Worked alongside a team of developers to pursue improvement opportunities related to scripting, testing, and maintaining infrastructure, while working in an Agile environment.
* Used JavaScript, NodeJS, and Puppeteer to develop and maintain software centered around automating tasks such as form submission, data scraping, and document processing.
* Developed and maintained Ruby on Rails applications, implementing robust and scalable backend functionality.
* Experience monitoring Redis queues and dynamically scaling Sidekiq applications in Kubernetes based on the number of jobs in the queues, optimizing resource utilization.

## Grounds Maintenance Assistant | Whitworth University

September 2021 - May 2022

* Worked alongside a group of fifteen students, assisting the full-time grounds crew at Whitworth University in the maintenance of the grounds, including but not limited to: landscape maintenance, fall cleanup, and snow removal.

## Computer Science Tutor | Whitworth University

September 2021 – February 2022

* Assisted the computer science department at Whitworth University by communicating with professors about classes and working with first- and second-year computer science students, helping with various questions and problems regarding assignments and projects.