

# Tony Beere

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## 📁 Experience

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### Co-creator, Software Engineer

05/2022 - 08/2022

#### *Kuri*

Kuri is an open-source, Dead-Letter Queue-as-a-Service (DLQaaS) for small distributed applications deployed on AWS infrastructure.

- Architected a distributed infrastructure using AWS Lambda, SQS, SNS, DynamoDB, and EC2 that allows message persistence and interactivity of messages in a dead-letter queue
- Developed the full stack application using Node.js, React, React Bootstrap CSS, and AWS cloud computing services
- Prototyped alternative infrastructure using AWS CDK and ran a spike to determine the optimal solution which resulted in deployment time being reduced from 5 minutes to under 1 minute
- Implemented a notification service using AWS Lambda and Slack webhooks to provide real-time updates to a user's Slack channel
- Created a RESTful API service using Express.js to connect with DynamoDB using the AWS SDK
- Developed a custom Command Line Interface packaged into an npm package for developers to install, configure and deploy with minimal effort using CommanderJS and InquirerJS libraries
- Collaborated with a team of three other international developers using GitHub, Zoom, and Slack for pushing code and communication
- Authored a comprehensive technical case study, readable at <https://kuri-dlq.github.io/> 📄
- Designed, wrote, edited, and presented an informational tech talk covering the creation process and implementation of Kuri, watchable at [https://www.youtube.com/watch?v=4cJkspwzjDQ&t=5s&ab\\_channel=launchschool](https://www.youtube.com/watch?v=4cJkspwzjDQ&t=5s&ab_channel=launchschool) 📄

### Full Stack Web Developer

01/2020 - 04/2022

#### *Self-employed*

- Developed a Trello-like application for project management built with Node.js, Express, React, Redux and MongoDB
- RequestBin: used Node.js, Express.js, and PostgreSQL to build an application that provides a webhook path for users to view webhook data
- Todo: todo application built in Node.js and using the Handlebars framework to update the frontend

### Math & Science Teacher

03/2016 - 02/2022

#### *Korean International School of Ho Chi Minh City*

- Planned, designed, and delivered math and science lessons in line with the curriculum
- Organized school-wide events and activities
- Wrote textbooks in English to mirror the Korean national curriculum

## 🧠 Skills

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#### Languages

Ruby, JavaScript, TypeScript, Go, SQL, HTML/CSS

#### Frameworks

React, Redux, Rails, Express, Sinatra

#### Misc. Technologies

Git, Github, Linux, Node.js, HTTP, OOP, RESTful API, PostgreSQL, MongoDB

#### Cloud

Lambda, IAM, S3, SQS, SNS, DynamoDB, Cloudwatch, EC2, DigitalOcean Droplets, Heroku

## 🎓 Education

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### Software Engineering & Full Stack Web Development

01/2020 - 04/2022

*Launch School* 📄

### BSc Chemistry

09/2007 - 07/2011

*University of Manchester*