

Anna Kolliakou

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EXPERIENCE

Co-Creator, Software Engineer

Apr 2022 – Aug 2022

Kuri

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

- Created, configured, and deployed AWS infrastructure to host the Kuri functionality using AWS SDK libraries (Lambda, SQS, SNS, DynamoDB, IAM, S3).
- Prototyped an alternative cloud architecture design using AWS CDK.
- Engineered a solution for viewing, editing, deleting, and resending failed messages from the DLQ to the main queue.
- Led the development of the Kuri Dashboard to make functionality available through a user interface (Node.js, React, React-Bootstrap, Express).
- Contributed to the development of a robust and easy-to-use CLI with CommanderJS and InquirerJS libraries and published it as an NPM package to automate the deployment of Kuri.
- Utilized Git and GitHub for version control and to collaborate with an international, remote team of engineers.
- Presented a live tech talk about Kuri, viewable at www.youtube.com/watch?v=4cJkspwzjDQ&t=23s
- Authored a technical case study describing the DLQ problem domain and Kuri's architecture, technical design decisions, and challenges, readable at kuri-dlq.github.io

Software Engineer

2019 – 2022

Self-Employed

Developed open-source software, projects include:

- Request Bucket: a real-time application for capturing and monitoring webhooks (Node, Express, MongoDB, PostgreSQL)
- Bello: a Trello-like collaboration app (Node, Express, React, Redux, MongoDB)
- Shopping Cart - a database-backed e-commerce application (Node, Express, React, Redux, MongoDB)

Clinical Informatics Interface and Network Lead

2017 – 2022

King's College London, UK

- Designed the Clinical Record Interactive Search (CRIS) Natural Language Processing (NLP) Service and managed its operation increasing the number of NLP applications from 75 to 100.
- Performed SQL queries on an EHR database of over 150 tables corresponding to 30 million documents.
- Led the mental health work package for PHEME on computing veracity in social media - viewable at [pHEME_brc](#)

Clinical Research Scientist and Knowledge Exchange Associate

2001 – 2016

King's College London, UK

- Recruited and assessed patients, collected and analyzed data, and wrote manuscripts for clinical research projects.
- Developed and delivered over a dozen collaborations between academics and cultural sector partners.

SKILLS

Languages

Javascript, Ruby, SQL, Go, HTML/CSS

Other technologies

Git, Github, Node.js, HTTP, OOP, REST API, PostgreSQL, MongoDB

Frameworks

React, Redux, Express, Sinatra

Cloud

AWS-Certified Cloud Practitioner, DigitalOcean Droplets, Heroku

EDUCATION

Software Engineering (Capstone)

2019 – 2022

Launch School

Multi-year, mastery-based software engineering curriculum. Progression assessed by written exams and live coding interviews to develop strong fundamentals and problem-solving skills.

PhD - Patterns of cannabis use in first-episode psychosis

2008 – 2013

King's College London, UK

MSc Addictions

1999 – 2000

King's College London, UK

BA (Hons) Psychology

1996 – 1999

University of Essex, UK