Anna Kolliakou

✦ annakolliakou.com   ✉ akolliakou@gmail.com   ⌂ www.github.com/akolliakou   ⚲ London, UK

💼 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 development of the Kuri Dashboard to make functionality available through a user interface (Node.js, React.js, 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, Mongo, PostgreSQL)
- Bello: a Trello-like collaboration app (Node, Express, React, Redux, Mongo)
- Shopping Cart - a database-backed e-commerce application (Node, Express, React, Redux, Mongo)

Clinical Informatics Interface and Network Lead   2017 – 2022
King's College London, UK
- Designed the CRIS Natural Language Processing (NLP) Service 🔗 and managed its operation increasing the number of 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 🔗

Mental Health Research Scientist   2001 – 2016
King's College London, UK
- Recruited and assessed patients, collected and analyzed data, and wrote manuscripts for clinical research projects.

🧠 SKILLS

Languages
Javascript, Ruby, SQL, Go, HTML/CSS

Frameworks
React, Redux, Express, Sinatra

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

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 🔗