Kristian Garza

High-performing Application Developer and Web Product Lead with a passion for agile methodologies the and seven years of experience impacting positive organizational outcomes through detailed UX research and sound software architecture design in the Open Science community domain.

Contact

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observablehq.com/@kjgarza
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Published work

Garza, K., & Buys, M. (2021). *A Brave New PID: DMP-IDs*
doi.org/10.5438/J22A-5D79

de Jong, M. & Garza, K. (2019). Project FREYA: Connecting Open Knowledge in the European Open Science Cloud (EOSC)
 doi.org/10.5281/ZENODO.3517852

Garza, K. (2013). *Individual Motivations Change Activity in Online Scientific Communities.* figshare.
doi.org/10.6084/M9.FIGSHARE.830404

Skills

redis, ElasticSearch, Solr, MySQL.
GraphQL, REST.
Kibana, Logstash.
AWS (ECS, RDS, EC2, S3, CloudFront, Route53, Lambda, SQS), Terraform, Docker, Github Actions, Jenkins, DataDog, Sentry.
R, Python, Ruby, TypeScript, Javascript, PHP, Gherkin, CSS.
react, Vue, ember, Rails, Jupyter, django, flask, NextJs.
KANBAN, Agile.
Google Analytics, Tag Manager, ProductBoard, BDD, TDD.
Design Sprints, A/B experiments, Workshop design, User Journeys JTBD, User Stories, Personas, Stakeholder Mappings, Double Diamond, WireFraming.
Figma, Miro.
DOIs, ORCIDs, RORs, Bibliometrics.

Experience

PRODUCT DESIGN MANAGER

DataCite
2021 - today

- Established the DesignOps processes that allowed DataCite to research, design, and ship features and products on time.
- Performed DefinionOfDone and Code reviews for all product releases.

PRODUCT DESIGNER

DataCite
2020 - 2021

- Led the feature design and information architecture of DataCite's main web platform.
- Performed both idea and solution validations for complex web applications with expert stakeholders.

APPLICATION DEVELOPER

DataCite
2016-2020

- Architected and implemented a Usage Metrics processing pipeline (inc. REST API, queueing, display) that is currently used by hundreds of organizations worldwide.
- Refactor DataCite's Search service from Java Implementation to a Ruby app with Rails.
- Developed a React SPA using Typescript with GraphQL backend.
- Implemented data visualization dashboards using D3, ggplot, Vega, and Vega-lite.

Education

PHD

The University of Manchester
2012-2016

PhD in Computer Science
– Investigated factors that affect the publication of research data in digital scholarly platforms.

- Performed statistical data analysis using R for A/B experiments

MSC

University College London
2007-2008

Masters in Spacecraft Technology And Satellite Communications
– Defined design improvements of electron detectors.

https://kjgarza.github.io/