Jacob Coker-Dukowitz

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EXPERIENCE

MASHR   *Co-creator & Software Engineer   remote   Jan 2019 – Present*

Read the case study: **https://mashr-framework.github.io/**

- Co-created a data pipeline orchestration and monitoring framework for small applications
- Researched & implemented data pipeline best practices including monitoring & failover
- Created Node.js CLI that simplifies dozens of GCP API calls into a few simple commands
- Engineered the data extraction component to be hosted on a Docker container on a Google Compute Engine (GCE) instance to build resilience against technological changes
- Co-authored comprehensive white paper about engineering the Mashr framework.

FREELANCE   *Full stack Engineer   remote   June 2017 – Dec 2018*

Developed a variety of full-stack applications using technologies such as JavaScript, Node.js, Ruby, Rails, SQL, Docker, Linux, Bash, HTML, CSS, and React including:

- A social news and discussion application like Reddit built with Rails, PostgreSQL, and JavaScript
- A React application that allows users to view and filter airline routes on a clickable svg map

NEW FLORIDA MAJORITY   *Software Engineer   Miami, FL   May 2016 – Dec 2018*

- Developed automated reporting systems & intelligent de-duplicating tools with Ruby & Node.js
- Engineered dozens of integrations between databases, CRMs and other tools with Ruby & Node.js

NEW FLORIDA MAJORITY   *Leadership Development Coordinator   June 2013 – May 2016*

- Managed the design & implementation of leadership training programs for over 1k participants

CATALYST MIAMI   *Advocacy Director   Miami, FL   Aug 2008 – June 2013*

- Directed advocacy programs for a nonprofit of 30 staff members

TRAINING

LAUNCH SCHOOL (May 2017 – Dec 2018): A 1-2+ years core curriculum focused on software engineering first principles. Culminates in the Capstone program — an instructor-led, team-based program modeled after a university-level master's program.

UNIVERSITY OF MIAMI, SCHOOL OF COMMUNITY AND SOCIAL CHANGE (Aug 2009 – June 2013): One of ten staff selected to be mentored by professors on organizational development while employed at Catalyst Miami.

EDUCATION

UNIVERSITY OF MIAMI, COLLEGE OF ARTS AND SCIENCES (Miami, FL)   Graduated: 2008
Bachelor of Arts**: Geography & Regional Studies** Minor: **Economics**