Aaron Hull

Austin, Texas aahull08@gmail.com Portfolio aaron-hull-austin

TECHNICAL PROJECTS

Capstone Project - Bard 08/2022 – present
Co-Creator, Software Engineer

Bard is an open-source, session replay tool for viewing and analyzing user sessions.

- Developed an open-source, lightweight, self-hosted session replay tool specializing in conversion funnel analysis.
- Created the Bard-rr npm package to interact with the Bard data ingestion pipeline.
- Designed a data pipeline for a high velocity of data using Node.js, PostgreSQL, Clickhouse, and RabbitMQ.
- Built the Bard user interface that allows for viewing, filtering, and ordering user sessions using HTML/CSS, JavaScript, Node.js, MaterialUI, and React.
- Configured and deployed Bard's architecture using Amazon Web Services (ECS, EC2, Fargate).
- Created the Docker containerization of Bard's infrastructure for deployment using Docker compose.
- Authored a comprehensive case study defining the problem domain Bard intended to address, the architectural design decisions, and the technical challenges faced while developing Bard.

Launch School 06/2021 – 08/2022

- Attended a program focused on mastery-based development of software engineering fundamentals.
- Developed open-source web applications using technologies such as Ruby, Node.js, PostgreSQL, MongoDB, React, Javascript, HTML, and CSS.
- Selected Projects:
  - Request Cart: A Node.js application built with Express, MongoDB, PostgreSQL, React, and Websockets to collect and debug webhooks.
  - Daily Budget: A daily budgeting app created with Ruby, HTML, CSS, Sinatra, PostgreSQL, and Javascript.

SKILLS

Front-End *(React, JavaScript, HTML5, CSS, MaterialUI)*

Back-End *(Node.js, Express, Ruby, Go, PostgreSQL, MongoDB, RabbitMQ, Clickhouse DB, RESTful APIs)*

Tooling *(Git/GitHub, Docker, Linux, Bash, rrweb, DigitalOcean, AWS ECS/Fargate/EFS/EC2)*

PROFESSIONAL EXPERIENCE

Social Studies Teacher 02/2016 – 06/2022
Younghoon International Middle School Seoul, South Korea

- Designed and implemented lessons in World History, Geography, and International Studies.
- Led the eighth-grade team by holding weekly meetings, leading PLCs, and mentoring new teachers.

EDUCATION

BA History 2006 – 2010
Bethel College