JOSHUA ERB

Software Engineer

PERSONAL DETAILS

I am a software engineer with a social science background, currently interested in backend and full stack opportunities.

GET IN TOUCH

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SKILLS

- Programming Languages: JavaScript, Typescript, Python, SQL
- Frameworks: Node.js, React
- Databases: DynamoDB, PrestoDB (Athena), Redis, Postgres, MongoDB
- Cloud Providers: AWS, Heroku
- Additional Tools: Airflow, Tableau, Google Analytics
- Spoken Languages: English (Native), French (Rusty, but Proficient), Polish (Basic), Standard Arabic (Basic)

EDUCATION

University of Georgetown School of Continuing Studies

CERTIFICATION IN DATA SCIENCE, 2016

University of Chicago

M.A. IN SOCIAL SCIENCE, 2014

University of Illinois Champaign-Urbana

B.A. IN GLOBAL STUDIES, 2013

RELEVANT EXPERIENCE

Software Engineer

SOFAR OCEAN, 2022 TO PRESENT

- Stabilized and scaled APIs supporting the generation and retrieval of marine weather data
- Identified and addressed observability gaps for backend services, implementing preferred solution and guiding adoption among other teams
- Planned, designed, and implemented multiple features for a marine weather-focused TypeScript library
- Built and distributed custom tooling to quickly inspect large, 10-day weather forecasts
- Rewrote all public facing documentation for the marine weather product offerings

Software Engineer, L2

MAPBOX, 2019 TO 2022

- Maintained operationally excellent service during period of rapid adoption, where daily traffic increased from ~100M requests per day to ~3B requests per day
- Improved key aspects of service's internal asset fetching in order to support traffic spikes of 1M requests per second
- Researched, designed, and implemented new feature that allowed customers to modify map styles and data at the time of request

Mobile Support Engineer

MAPBOX, 2018 TO 2019

- Supported the mobile integration and launch of large, medium, and small customers
- Answered customer questions on Stack Overflow, consistently remaining in the top 18% of users on the site

Senior Consultant

EXCELLA CONSULTING, 2016 TO 2018

- Maintained, executed, and validated a Big Data model for a consumer loyalty program with +75 million members and +6,000 participating properties worldwide
- Improved the accuracy of the same Big Data model financial model by +$17 million