

JOSHUA ERB

Writer & Software Engineer

PERSONAL DETAILS

I am a writer of both code and prose. I am currently focused on placing non-fiction pieces on technology and finalizing a novel manuscript.

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

Writer

FREELANCE, 2024 TO PRESENT

- Writing and pitching essays on technology, labor, and my personal experience with both to a variety of established non-fiction outlets.
- Finalizing a 90,000 word literary manuscript dealing with questions of technology, memory, and grief.

Software Engineer

SOFAR OCEAN, 2022 TO 2024

- 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