

KHINSHAN KHAN

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Work Experience

Two Bulls

SOFTWARE ENGINEER

Brooklyn, New York

Jun. 2021 - Present

SOFTWARE ENGINEER INTERN

Jan. 2020 - Jun. 2021

Seacor (AWS Lambda, S3, Dynamo, Postgres, Golang, React, Typescript, Leaflet)

- Worked with data providers to clean noise for AIS messages and helped them refine their API
- Implemented scalable and resilient architecture (lambdas, databases, buckets, VPSS) for the application
- Worked on the 'complex event processing' algorithm for port events and port calls
- Worked on port call search and summary display functionalities
- Created an algorithm visualization playback for developers and privledged access

Mailchimp Firebase Integration (Firebase, GCP, Typescript, Mailchimp)

- Created E2E tests with GitHub actions for Firebase
- Integrated Mailchimp tags, audiences, and events with Firebase Authentication and Firebase Database as an extension

Skills

- Languages** Golang, TypeScript, JavaScript, Python, C++, C, HTML, CSS, Java
- Frameworks** React.js, Express.js, Material UI, Chakra UI, Flask
- Databases** PostgreSQL, SQLite3, MongoDB, Firebase, Neo4j
- Tools** Git, Notion, Figma, Docker, Digital Ocean, Netlify, Serverless, AWS, GCP

Notable Projects

Caputo (Golang, Postgres, Next.js, Chakra UI)

<https://github.com/kkhan01/caputo>

Managed Documents

- Foo Bar

Political Atlas (React, Material UI, Python, Flask)

<https://github.com/kkhan01/political-atlas>

Map To Politics <https://kkhan01.github.io/political-atlas/>

- Foo Bar

Hetio Net (Python, MongoDB, Neo4j)

<https://github.com/kkhan01/hetio-net>

Simulation of Hetio Net, an integrative network of biomedical knowledge

- Foo Bar

Education

Hunter College, The City University of New York

New York, NY

B.A. IN COMPUTER SCIENCE, MINOR IN CLASSICAL STUDIES AND MATHEMATICS | GPA: 3.80/4.00

May 2021

Stuyvesant High School

New York, NY

ADVANCED REGENTS DIPLOMA WITH HONORS | GPA: 90/100

Jun. 2018

Miscellaneous

Interests Cooking, linguistics, mythology, puzzles, fallacies, automation, blogging