

Samuel Glass

LOCATION Stamford, CT **CELL** (203) 610-1370 • **E-MAIL** samuelglass@gmail.com • [LinkedIn](#)

TECHNICAL SKILLS

Expert: JavaScript/TypeScript, React, Redux, Node.js

Proficient: CSS, Python, C++, SQL, Jenkins, Grafana, Humio, Websockets, OAuth2

Familiar: Django, Flask, Ruby on Rails, Docker, Kafka, AWS, Postgres, MongoDB, Kubernetes

EXPERIENCE

BLOOMBERG L.P.

Senior Software Engineer | Feb 2022 – May 2024

- Responsible for architecting and leading development of voice memo capabilities in Bloomberg's instant messenger
- Decreased memory footprint and latency of proprietary tabular data calculation platform responsible for delivering 3-5 million messages per day with 100% accuracy
- Developed node.js CLI tool for instrumenting applications with Bloomberg's SLO monitoring solution
- Led initiative to improve observability in Grafana with a focus on "Four Golden Signals" from the Google SRE handbook
- Collaborated closely with UX, product, and backend teams to ensure intuitive and performant recording, sending, and playback of audio clips
- Analyzed and fixed performance issues reported by clients in NYC, London, and Hong Kong using Chrome Dev Tools (flamegraphs and heap snapshots) and other proprietary performance inspection tooling
- Add logic to Python service for programmatically fetching and parsing logfiles

Software Engineer | April 2019 – Feb 2022

- Responsible for architecture, development and integration of greenfield initiative to migrate lightweight version of Bloomberg's instant messenger to the web
- Developed a secure websocket server that consumed a Kafka topic to send messages to a React client
- Created RESTful Python services with Django and Flask
- Created and led development on Bloomberg's first browser-based logging tool for web clients, later adopted as recommended logging tool for web applications according to Bloomberg's Web DevX Working Group
- Mentored a new hire and guided them through improvements to high-visibility application with proprietary JS library frontend and C++ backend
- Assumed ownership of Bloomberg Terminal application OAS1 and overhauled its interface and functionality by improving or, where necessary, fixing features and UI related to single and

multi-path structured product cashflow analytics

CEDRUS DIGITAL

Software Engineer | May 2018 – April 2019

- Wrote Node.js scripts to leverage AWS DMS in migrating data from Oracle DB to AWS DynamoDB and MySQL RDS
 - Overhauled legacy Angular frontend to updated Angular 2, adding (submodules, lazy loading, and reusable components)
 - Created GraphQL API with AWS AppSync to interact with microservices
 - Implemented Apache Kafka to increase data durability and throughput of microservice architecture
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EDUCATION

Tulane University

B.A. English and Medieval Studies, cum laude