

BEN STEWART

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WORK EXPERIENCE

Morgan Stanley

Bangalore, Karnataka

Manager

2023-Present

Project link: **Create reports for ultra high networth individuals** to view the progress on financial goals.

- Leverages Angular and Highcharts to create the reports while taking support from the infrastructure team to convert them into pdf and archive for future retrieval.
- Worked in tandem as three teams, splitting the tasks and completing the reports on time, while all depending on the common API service.

Additional responsibilities within the firm:

- Maintain and improve the US patented (11106891) English text to braille translator, which is owned by the firm.
- Helped reduce the time taken to update the application reference data, which used to take weeks, but presently can be done in a matter of minutes.

Senior Associate

2022-2023

Project Link: **Redesigned Wealth Strategies Analysis**, to update the UI/UX of an application for financial advisors.

- Transitioned quickly to Angular and helped upgrade to v14 while also improving the user experience for the financial advisors who handle ultra high networth individuals whose net worth is more than 25M USD.
- Successfully communicated with the business team and UI/UX team, to ensure that the existing APIs could be used, thereby saving development and testing effort.

Helper Tool: **Saved developer time** to identify the versions deployed on different environments within the firm.

- Wrote a Python Django application and hosted it on the private cloud.
- Receives 75K hits per day, saving an average of 2 minutes per hit.

Associate

2021-2022

Project Link: **Maintained the Account Management Tool**, for providing a single place for account information.

- Deployed the application with the micro service architecture on the internal hybrid cloud with dockerization.
- Created the GraphQL interface in Spring Boot, reducing the REST endpoints needed by a factor of 3.
- Moved batch jobs from SSIS(.NET) to Java(Spring Boot) to reduce the different architectures needed.

Analyst

2020-2021

Project Link: **Engineered a Redis Cache** through cross-functional collaboration with a sponsoring team.

- 15X improvement in latency over the MySQL call that was being made previously.
- Compared with Hive which provides a relational DBMS structure, and concluded Redis was better for the use case as it followed the noSQL architecture helping reuse the same cache for 10 classes.

Intern

2019

Project Link: **Created SOLR based read optimized store** through collaboration with 3 engineering teams.

- Proactively identified the structure of data which needed to be stored in the SOLR heap, reducing all the separate calls needed into a single GET request, reducing the SLA from 4 minutes to 2 seconds.
- Optimized the store creation by using delta updates, reducing the creation time by 90%.

ENTREPRENEURIAL EXPERIENCE

Enigma

Chennai, Tamil Nadu

Co-founder

2017-2020

Enabling startups and established firms by building new business applications & providing tech help they require.

- Co-leading a team of 3 project members to build more than a dozen applications and have daily client interactions during the development phase, leading to higher quality products being delivered.
- Maintaining partnerships and getting 3X more projects via word of mouth from the existing client base.
- Fixed critical bugs for the internal development team of the flagship entrepreneurial event Enantra in college which helped them with the online ticketing, making up 90% of the event's revenue.

PUBLICATION

Efficient Client-Side Cross-Platform Compatible Solution for Phishing Prevention

International Journal of Cyber Warfare and Terrorism Volume 12 Issue 1

2022

<https://dl.acm.org/doi/abs/10.4018/IJCWT.297855>

EDUCATION

College of Engineering, Guindy

Chennai, Tamil Nadu

Bachelors in Computer Science and Engineering

2016-2020

Cumulative GPA: 9.52/10.00 | Honors: First class distinction

SKILLS & INTERESTS

Computer: Java, Angular, SQL, Neo4J, Redis, GraphQL, Python, Django, Flutter, Git, Tableau, basic .NET Core

Language: English, Tamil | *Interests:* Cycling, piano, digital privacy, new technology, adventure sports