

Subhayu Chakravarty

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Experienced full-stack developer with five years of experience in enterprise software for equity research and stock brokerage firm, pursuing a data-science-heavy Master's program and looking for software engineering positions in the data domain that involve actualizing outcomes from data potential and optimizing systems.

CURRENT SKILLS

- Languages : Java, Python, C++
- Python Libraries : Numpy, Pandas, Keras
- Data : Apache Spark, Oracle, PostgreSQL, MySQL, SQLite3
- UI : Google Web Toolkit, Javascript
- Backend : Spring Boot, Spring Integration, TIBCO
- Build and Deploy : Google Cloud, AWS, Docker, OpenShift, Linux server

EXPERIENCE

CLSA Technology and Services LLP - Software Engineer, Reference Data; Pune, India **January 2015 - April 2019**
Development, optimization and enhancement of twelve Reference Data applications, collaboration on roadmap discussions and design decisions.

Enhanced Liquidity Pool - CLSA **July - September 2018**

- Collaboratively designed front-to-back architecture of system including its interaction mechanism with central data lake
- Constructed all five logical data models for entirely new client-facing application
- Learned and enhanced Angular UI, implemented KeyCloak authentication with a Spring backend and PostgreSQL database for new web-app hosted on OpenShift cloud

Tibco Retirement - CLSA **August - September 2018**

- Transformed legacy systems into Data-centric, Microservices architecture
- Re-wrote eleven Tibco BusinessWorks adapters in Spring and REST framework with team of two saving license costs for TIBCO in data space
- Created proof-of-concepts to demonstrate that BW retirement needed to be finished first before EMS
- *Awarded Team Award for Excellence*

Fixed Income On-boarding - CLSA **July - September 2017**

- Drafted requirements guiding the client migration from CITICS data store into CLSA reference data system
- Coordinated with Development, Support and Business user teams to finalize guidelines and implementation
- Reconciled 2 gigabytes of client data between the systems post go-live leading to smooth release and a five million USD increase in commission for the firm
- *Awarded Team Award for Project Success*

ACADEMIC PROJECTS

Soccer Hours - Website and Android App - The University of Texas at Austin **July, 2019**

- Built website in Flask and Python back-end and deployed on Google App Engine, live at - <http://footyhours.appspot.com>
- Developed Android app in Kotlin (Android Studio) for pickup soccer game booking for website users

LEADERSHIP EXPERIENCE

Jira Admin Team - Team Lead **July 2015 - May 2016**

- Managed server issues and trained next batch of graduate interns for Jira maintenance system

Client Reference Data Team - Functional Lead **January 2017 - July 2017**

- Took charge of daily task reviews, effort estimation and project assignment responsibilities
- Transitioned and guided seven freshers into team through training

EDUCATION

The University of Texas at Austin	Master of Science in Information Technology and Management GPA: 4.0	May 2020
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Coursework Includes: Business Data Science, Cognitive Computing, Big Data & Distributed Programming, User-generated Content Analytics, Advanced Data Mining & Web Analytics

IIT Kharagpur, India	Bachelor of Technology, Manufacturing Science and Engineering	May 2014
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ADDITIONAL INFORMATION

Languages: English, Bengali, Hindi

Work Eligibility: Extended eligibility to work in the U.S. due to S.T.E.M. certification; will require visa sponsorship for long-term employment