

MAYUR BHADRACANT

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mbhadracant.github.io

WORK EXPERIENCE

Front Office Software Engineer

Capstone Investment Advisors

January 2022 - Current

- Worked on maintaining front office applications related to the firm's trade execution workflow: Order Management System (OMS), Drop copy processing, automatic trade booking, market data access.
- Took primary ownership of two critical applications - an instrument service for getting data for any tradable asset and an automatic bond pricing application for marking prices for illiquid bonds.
- Migrated a legacy price snapping application from Python to Java which resulted in app start time being 5x faster.
- Created a trade allocation app for one of the Amsterdam desks to split trades received into different portfolios.
- Languages and technologies used: Java, Spring Boot, FIX, SQL, Python, Git.

Associate Software Engineer

Morgan Stanley

November 2020 - December 2021

- Worked on maintaining a task management application where funds can be onboarded to the firm systematically.
- Automated complex workflows handled by different teams within the firm which are managed by the application to make the onboarding process smooth and transparent.
- Number of onboarded projects has increased by 19% from 2020 resulting in more adoption through the application.
- Languages and technologies used: Java, Spring Boot, Angular, TypeScript, SQL, Git.

Software Engineer

Capital One

September 2018 - September 2020

- Worked on developing an application used by agents to set up payment plans for customers.
- Developed many new features such as capturing customer situations, providing detailed customer data, and the addition of different payment plans which has resulted in a 22% increase in all plans being set up over a 3-month rolling average.
- Languages and technologies used: Java, Spring Boot, React, NodeJS, JavaScript, Git, AWS.

Summer Technology Analyst

Goldman Sachs

June 2016 - September 2016

- Worked on creating a web application for the finance engineering business unit to monitor capacity on file systems.
- Achieved a feature where policies can be created automatically to manage file systems that are run by CRON jobs.
- Created a RESTful API to provide file mount information to the user interface.
- Languages and technologies used: Java, HTML, CSS, JavaScript, Angular, DropWizard, SQL, SVN.

Software Developer

Abcam

July 2015 - June 2016

- Wrote code to fix bugs, write tests and implement new features in existing web applications used by employees throughout the business which is used for product integration and the public e-commerce website.
- Produced a web app that shows information of Abcam produced antibodies using the ENCODE API.
- Languages and technologies used: C# MVC, HTML, CSS, JavaScript, ColdFusion, SQL.

EDUCATION

University of Manchester

MSc Advanced Computer Science ~ 2:1

September 2017 - September 2018

Queen Mary, University of London

BSc Computer Science with Industrial Experience ~ First Class

September 2013 - July 2017

PROJECTS

Exploring Cryptocurrency Trading Strategies (Research Paper) - <https://mbhadracant.github.io/RP.pdf>

- Implemented different trading strategies which use technical analysis, sentiment analysis, machine learning.
- Created a UI to elegantly showcase the results of backtesting different trading strategies.
- Languages and technologies used: Python, matplotlib, Flask, keras, numpy.