

CURRICULUM VITAE

PERSONAL DETAILS

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WORK EXPERIENCE

From 8th Jul-2019 to Today "Senior Software Engineer " with Bank of America, Chennai	<p>Currently working with org which deals with capturing OTC Traded Securities, handling post trade lifecycle process and processing trades with Clearing House and regularity authority. My team is responsible for building application to book trades, workflow, services and maintains trades data that is used by downstream systems to calculate intraday risk and PI. numbers.</p> <p>Major projects that I worked on are -</p> <p>A. TRSB Phase 2 (6Month): Booking for Total Return Bond Swap Product has been onboarded in Cosmos Application, including cashflow generation and reporting that to downstream systems. This involved working on bank's Quant libraries and calculating payments.</p> <p>B. Credit Event Tool (6Month): It is an application which lets user to apply Default on trades when company bankrupts. My part is to implement fees calculator which calculates different Fees to be paid or already paid which helps user to determine recovery amount before processing default through application.</p> <p>C. Python 3 Migration (4 months): Was responsible to identify potential changes required and planning the work from India. Created libraries and auto scripts to check compatibility with both versions. Helped team to make entire code base to compatible in both versions.</p> <p>D. Cosmos (5 months)- Cosmos is new React.js and HTML5 based application developed to book trades on new financial instruments I worked on data enrichment services, client trades matching process and storing transaction to database in backend implemented in python.</p> <p>E. Database Migration (3Months) –Helped migrating existing live data from one database to standardized db without affecting business. As part of this I have built recon service which compares data between Sybase backed java application and object database backed application and sends reports to support system monitor. It helped user to identify potential risk outage due to discrepancy and missing data at EOD. Got appreciated from our Director for achieving this milestone.</p>
From 19th Jun-2017 to 8th Jul 2019 "Senior Tech Associate" Bank of America, Chennai	

	F. Improvement in matching services - Helped our team to identify potential issue of memory outage in matching services and enhanced the code to be memory efficient and added more control to delete unnecessary breadcrumbs from matching queue.
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SKILLS

Technical Skills:

Current stack in Bank of America -

- Python, Data Structures
- System Design and object-based database
- Flask, Django
- TDD Python Unit test framework, mock
- CVS, GIT
- Docker and Kubernetes, Google cloud (basic)
- Confluence, JIRA, horizon

EDUCATION HISTORY

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- July 2013– June 2017 National Institute of Technology, Trichy, Tamil Nadu
- Bachelor's in technology (BTech) in the field of Electronics and Communication Engineering (ECE) with 7.1 CGPA
 - Summer project on understanding the memory performance of different memory hierarchies for set of open-source applications. The project involves generating memory traces for an application and comparing the bandwidth and latency for inclusive and exclusive memory hierarchy.

Certifications

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- Global Financial Markets
3 months long class room course by Stratadigm at Bank of America.
 - Professional Scrum Master 1 (PSM1)
Training on Scrum framework and its application by PTN Organisation.
 - Python for Everything
Online Certification course authorized by University of Michigan and offered through Coursera.