
WORK EXPERIENCE

PAYPAL PTE. LTD.**Jun 2020 – Present****Software Engineer 1**

- Delivered scalable, production-ready features in 4 major projects on core Java Spring services under the Payments Experience team which focuses on the lifecycle of users' financial instruments, impacting over 50 million transactions a day
- Triaged live bugs and delivered prompt analysis and fixes to production, resolving issues for users and merchants in real time
- Led, designed and implemented the migration of downstream services from C++ to Java components to provide the most accurate banking information for more than 250 million active users while exercising the best coding conventions
- Performed regression tests for application builds in Jenkins CI/CD pipelines and monitored live traffic during ramp plan
- Presented SPOT award for integrating an automated isolation testing framework into complex Financial Instrument services in a short timeframe which replicates live flows on N+1 build for optimum coverage of up to 98%

PAYPAL PTE. LTD.**May 2019 – Aug 2019****Software Engineer Intern**

- Explored and packaged LSTM machine learning techniques into a standalone multi-threaded Java plugin for generic use cases across Spring services to predict consumers' activity and cache document TTL with 87% accuracy, optimising cache hits and size by 35% and 20% respectively
- Developed a Flask application to query and collate production data from Teradata DB on failed customer interactions, reducing time taken for bug and goal tracking by 70%
- Built an in-house implementation of ActiveMQ daemon, serving as an error monitoring tool

PSA CORPORATION LIMITED**May 2018 – Aug 2018****Software Development Intern**

- Implemented Web, REST and test components for the PortNet X system while adhering to a Service-Oriented-Architecture
- Designed and developed scripts to automate validation of data files and populate databases according to business requirements, cutting operation time by half

EDUCATION

SINGAPORE MANAGEMENT UNIVERSITY**Aug 2016 – May 2020****Bachelor of Science (Information Systems), 2nd Major in Analytics (Adv. Tech. Track)**

- GPA 3.53/4.0 (Cum Laude)
- Enrolled in IMDA iPrep programme

TECHNICAL SKILLS

*In order of proficiency from Expert to Intermediate (Prior Experience)

Programming Languages: Java, Python, JavaScript, Swift, Dart

Tools & Technologies: Spring, Git, Maven, Flask, iOS, Node.js, Flutter, Angular, JavaServer Pages (JSP)

Operating Systems: Unix, Windows

Databases: MySQL, MongoDB, PostgreSQL

PROJECT EXPERIENCE

BNP PARIBAS WEALTH MANAGEMENT**May 2018 – Dec 2018****Solution for Know Your Customer (KYC) Process (Final Year Project)**

- Built a cross-functional knowledge management portal with main focus in frontend application to streamline and integrate BNP Paribas' onboarding process, shortening total duration by 80%
- Digital repository which allows stakeholders to dynamically edit the ever-changing business requirements and better manage each of their clients and serves as a knowledge bank to improve communication between the front and back office teams

EXTRA-CURRICULAR ACTIVITIES / COMMUNITY SERVICE

SMU Climb Team Varsity Member**Aug 2016 – May 2020**

Represented SMU in over 20 nation-wide competitions. Finalist among 200+ participants in Transend 2017 Novice Category and was nominated for SMU Sports Union Sportsman of the Year in 2018.

SMU Inspirar & The Right to Live**Jul 2016 – Feb 2020**

Part of multiple Community Service Projects to promote healthy lifestyle by facilitating exercises at various old age homes and providing care for abandoned dogs at the shelter by feeding, walking and bathing them