

# BHAVYAI GUPTA

## Software Engineer

An aspiring software engineer, finishing my master's degree in April 2022 from the University of Calgary. Diligent, attentive to details, and having strong skills in programming. Had more than 3 years of IT experience in the banking sector.

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## EDUCATION

### MEng in Software Engineering

University of Calgary

05/2021 - Present

Calgary, AB, Canada

## SKILLS

Java Spring Boot JavaScript React Git  
MySQL MongoDB JPA Linux Python

### BTech in Electronics and Communication

#### Engineering

Delhi Technological University

08/2012 - 05/2016

Delhi, India

## WORK EXPERIENCE

### Consultant

Luxoft (a DXC Technology company)

10/2018 - 12/2019

Singapore

- Responsible for complete technical build of Market Risk in MX.3 via ANT scripts
- Designed the EOD flow as per Control-M requirements
- Developed bash scripts and SQL procedures for streamlining the EOD process
- Liaised with Front Office team and sorted out functional issues in SIT1 and SIT2

## PROJECTS

### Veterinary Clinic Application

- A full stack web application for managing a veterinary clinic, developed using SpringBoot, React, and MySQL
- Followed agile methodology using Jira during the project design and development phase
- Designed wireframes and the database model
- Developed the complete RESTAPI build and coordinated with frontend person for API consumption

### Movie Ticket Reservation

- A full stack MVC swing application for booking movie tickets
- Programmed models and controllers related to Payment, Coupons, RegisteredUsers, BillingSystem, and Emails
- Designed state transition, system interaction, and UML diagrams

### Tic Tac Toe

- A client-server based multi-threaded Tic Tac Toe game
- Handled multiple players using threadpools and sockets

### Tranquil Backup Manager

- A tool for backing up data, that makes full or differential backups to and from physically connected disk drives or partitions
- Programmed the app for personal use, and then made it open source

### Power Dict

- An english dictionary, that fetches word definitions using Wordnik REST API
- Optimized the app by maintaining history of searched words and caching them for faster subsequent access

## CERTIFICATES

### HackerRank Verified Skill Certificates (01/2022)

Awarded after successfully passing online tests for Problem Solving, Java, JavaScript, and SQL

### Rank 2 in HYL Summer Hackathon 2021 (07/2021)

Designed an app to calculate profit per hour of each mining rig and the time required to get the specified amount of Bitcoins

### Team Excellence Award by LiquidHub (07/2017)

Awarded for exhibiting excellence in service delivery during the project go-live

### Associate Consultant

LiquidHub (now part of Capgemini)

08/2017 - 08/2018

Singapore

- Responsible for technical build of Market Risk in MX.3 for clients and their international entities
- Responsible for creation and timely delivery of injection documents
- Developed SQL scripts to reconcile market risk data reports to save manual efforts
- Handled support cases during SIT and UAT cycles and change requests after the go-live

### Associate Consultant

LiquidHub (now part of Capgemini)

06/2016 - 08/2017

Gurgaon, India

- Responsible for market risk scenario generation, application, and VaR computation in MX.3
- Designed and configured various counterparty credit risks in the MX.3 Limit Controller
- Responsible for creation of securities in MX.3
- Prepared detailed build and injection documents for the configurations