

# 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

### 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

### 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

## SKILLS

Java

SpringBoot

React

MongoDB

Git

MySQL

JPA

Linux

JavaScript

Python

## PROJECTS

### Veterinary Clinic Application

- A full stack web application for managing a veterinary clinic, developed using SpringBoot, React, and MySQL
- Part of a course requirement in University of Calgary
- Features include managing animals, users like Admin, Teachers, Technicians, Students, and their access rights

### Tranquil Backup Manager

- A tool written for backing up data
- Makes full or differential backups to and from physically connected disk drives or partitions
- Features include configuration of directories that should be excluded from the backup process

### Tic Tac Toe

- A client-server based multi-threaded Tic Tac Toe game
- Part of a course requirement in University of Calgary
- Features include support of multiple users using threadpools and communication using sockets

### Power Dict

- An english vocabulary builder written in Java
- Fetches definitions from Wordnik REST api
- Features include caching of history for faster subsequent access

### Movie Ticket Reservation

- A full stack MVC swing application for booking movie tickets
- Part of a course requirement in University of Calgary
- Features include buying and cancellation of tickets with email alerts

## ACHIEVEMENTS

### 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

### Problem-Solving by HackerRank (09/2020)

Awarded after successfully passing online proctored test on basic algorithms

### Java Programming by HackerRank (08/2020)

Awarded after successfully passing online proctored test on java programming

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

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