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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Calgary, AB 📍

linkedin.com/in/zbhavyai 🔗

github.com/zbhavyai ⭘

EDUCATION

MEng in Software Engineering
University of Calgary

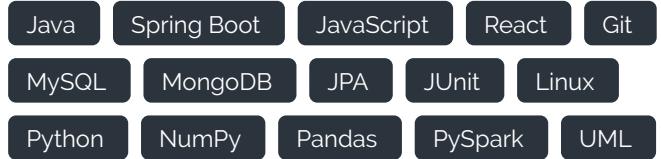*05/2021 - Present*   *Calgary, AB, Canada*

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 | Spring Boot | JavaScript | React | Git
MySQL | MongoDB | JPA | JUnit | Linux
Python | NumPy | Pandas | PySpark | UML

PROJECTS

BudLib 🔗
- A full stack web application made for Calgary Waldorf School to manage their library, developed using Spring Boot, React, and MySQL
- Developed the complete REST API and major parts of the React build, including CRUD of books, loaner, and transactions
- Designed UML diagrams for API, ER model for database, and wireframes of the web interface,
- Deployed on the cloud using Heroku and Netlify

IntelliRN 🔗
- A full stack web application made for Registered Nurses to help them post articles and surveys to help the general public
- Developed the complete REST API using Spring Boot and MySQL, and created base used by all React components
- Received 2nd prize out of 11 participant teams in the competition

Veterinary Clinic Application 🔗
- A full stack web application for managing a veterinary clinic, developed using Spring Boot, React, and MySQL
- Followed agile methodology using Jira during the project design and development phase
- Developed the complete REST API 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

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

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