

# Harsimarjit Singh Badding

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## Software Engineer

- Skilled with MongoDB, Express, ReactJs, AngularJS and NodeJS
- Also worked with PostgreSQL database in Django framework
- A detailed oriented analytical thinker, with strengths in technical problem solving and troubleshooting
- Multilingual in English, Punjabi, and Hindi with strong communication skills

## WORK EXPERIENCE

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**Junior Developer (Co-op)** Marlin Industrial Products, Toronto, ON May 2023 - August 2023

- Implemented backend and handle requests using **Django** framework with Python
- Used **PostgreSQL** to store and organize data, and made efficient queries to retrieve data
- Develop interactive dynamic web pages using **ReactJS** in a component-based design
- Also **revamped the many systems** like customer on-boarding, employee attendance and invitation.
- I used **Stripe** library to make the payment system using web-hooks. This made the system reliable, scale-able and robust.
- Build sites with single-page applications and component-based architecture for scalability and maintainability
- Implement authentication and authorization using Django's built-in modules

**Developer (Freelance)** Self-Employed, Remote June 2021 - June 2022

- Developed and maintained websites for clients
- Made UI and **backend API** for multiple websites using the **MEAN stack**
- Found clients thorough referrals and through Instagram
- Delivered game assets and bug fixes for existing projects

**Junior Developer** Infowiz, Punjab, India Jan 2021 - June 2021

- Implemented sites using **MEAN stack - MongoDB, Express, Angular and NodeJS**
- Worked with **Vanilla JavaScript** and **React** framework to implement frontend
- Implemented a plethora of web pages and game systems for clients
- Created player and environment systems for Unity3D games

## EDUCATION

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**Game Programming - Fast Track (Co-op) Advanced Diploma** Sept 2022 - Present  
Centennial College, Toronto, ON *GPA: 4.2/4.5 (A)*

*Courses:* Java Programming, QA & Testing, Web Application Development, Software Systems Design, Algorithms & Data Structures, C++, Web Game Programming, Unity 3D

**Bachelors of Engineering (Computer Science Engineering)** Aug 2017 - Aug 2021  
Chitkara University, Rajpura, Punjab, India

*Courses:* Client-Side Web Development, Java Programming, Algorithms & Data Structures, QA & Testing, Web Application Development, Software Systems Design, Database Concepts, Linux OS, Computer Networks

## PERSONAL PROJECTS

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### Web Application Development

- Implemented EJS templating engine in **Vanilla JavaScript** and created a Personal Portfolio Website using **ExpressJS**, and node environment

### Food Ordering Website

- Created a **single page dynamic** food ordering website, using which users can order their favorite dishes
- **Search, filter** using tags and many such user-friendly features have been added
- Used **MEAN** stack (MongoDB, Express, Angular, Node) to implement both fronted and back-end API layer to perform **CRUD** (Create, Read, Update and Delete) operations
- Implemented **authentication** and **authorization** using passport **JWT** tokens

### Unity3D Games

- Made multiple mobile games using **Unity3D** and uploaded 2 of them to **Google Play Store**
- Used **Google Admob API** to implement advertisement in one of the games
- Implemented shooting and platforming games targeted for PC both in **2D and 3D**
- Accessible on Android Play Store: [Cube Attack](#) and [TicTacToe3D](#)

### JavaFX Application

- Used **JavaFX** linked to Oracle **database** to create a GUI for a grocery shop application
- Performed CRUD operations in this application

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### OTHER WORK EXPERIENCE

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<b>Customer Fulfillment Associate (Part Time)</b>	Wal-Mart, Toronto, ON	Dec 2022 - Present
<ul style="list-style-type: none"><li>• Picking online customer orders, as well as sorting and substituting items as required</li><li>• Ensure a customer first approach while delivering product, ensuring quality and accuracy</li></ul>		
<b>Produce Stocker (Part Time)</b>	Wal-Mart, Toronto, ON	Oct 2022 - Dec 2022
<ul style="list-style-type: none"><li>• Perform produce stocking, zoning and culling, ensuring quality, food safety and maintenance of produce areas</li></ul>		