

# Fraron Balsara

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## SUMMARY

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I am a software engineer with 2+ years of experience in enterprise software development. I work in an agile environment with technologies such as Python and ProcessUnity.

I have a deep passion for building software that has a meaningful impact. I am looking for a full-time position at a company that values the importance of engineering, creativity, and a person's unique perspective.

I am a self-starter with a passion for creating intelligent software solutions that are both sustainable and scalable. I am excited to be part of a company that is driven by innovation and change. I am also passionate about working with people who are seeking to do something great.

## WORK EXPERIENCE

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### Tata Consultancy Services

Mumbai, Maharashtra, India

Developer BFSI US West – American Express Group Client

Jan 2021 – Present

- Currently working as a Software Engineer in the Financial Data Engineering team.
- Developed a cloud platform for the client leveraging ProcessUnity Software and assisted the client in migrating their data from a legacy .Net platform to the cloud in ProcessUnity increasing performance by up to 20%.
- Worked with the data migration team to write Python scripts to automate the process of converting legacy data into the revised format, significantly reducing conversion time and increasing efficiency.
- Utilized agile and scrum methodologies for development and testing, increasing productivity.
- Communicated with the clients on a regular basis and provided creative and innovative solutions when tasked with complex problems.
- Technologies Used: ProcessUnity, Python, Pandas, JSON, Excel, Rally, GitHub.

## EDUCATION

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### Jain (Deemed-to-be University)

2021 – 2023

Master of Computer Application specializing in Full Stack Development

CGPA: 9.74/10

### Kishinchand Chellaram College (Mumbai University)

2017 - 2020

Bachelor of Science, Computer Science

CGPA: 9.46/10

Activities: Tech Club, Kiran – Technical Team

## PROJECTS

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### E-Commerce Full Stack Web Application – E-Mart

- Created a full stack e-commerce website called E-Mart utilizing a three-tier architecture; frontend, backend, and database.
- Frontend was created using React.js and Bootstrap for the best rendering experience and to make the web application responsive. The backend was developed based on microservices architecture and Spring Boot was leveraged to create RESTful APIs. MySQL was the database of choice.
- Customers can sign up/login to view products, manage their cart and checkout and make online payments through Razorpay or opt for COD to place orders. Unregistered customers are only allowed to view the products.
- Sellers can sign up/login to add and manage their products in the system.
- Admins can login to view and manage all the users and all the orders placed in the system.
- Project Link: <https://github.com/fraronbalsara/E-Commerce-Full-Stack-Web-Application>

## Front End Development Project – Spring Flowers School Web Application

- Designed a prolific web application for the students of Spring Flowers School using an innovative and creative approach.
- The web application incorporates creative visuals and interactive elements across web pages.
- Clear and crisp UI and UX enhances the web application experience.
- Registered students can login to the web application from the login page and will be redirected to the home page of the web application.
- Time Table, Exam Results, Extracurricular Activities and Profile pages are also available to the students once logged in.
- The web application is developed using HTML, CSS, JavaScript, JSON and Bootstrap technologies.
- Project Link: <https://github.com/fraronbalsara/SpringFlowersSchool>

## Air Hockey Android Game

- Brining the classic arcade Air Hockey game now to your android device.
- Objective of the game is to try and score goals by putting the puck in your opponent's goal.
- Has single player as well as a local multiplayer mode.
- The single player mode can be played at 3 levels of varying difficulty.
- The local multiplayer mode lets you challenge and play with a friend on the same device.
- Dynamic game sounds, victory animations and more.
- Built in Unity using C#.
- Project Link: <https://github.com/fraronbalsara/AirHockey>

## Expense Manager Android Application

- An expense manager application to track income and expenses for better financial planning.
- Provides various categories of expenses like Education, Food, Luxury, etc. to help categorize and manage expenses.
- Displays all income and expense data entered systematically and allows the user to edit or delete it, if required.
- Provides pie chart and bar graph analysis of income and expenses on a weekly, monthly and yearly basis.
- Users can export PDF reports based on this analysis and share with others if needed.
- Created in Android Studio using XML and Java and is using a Cloud Firestore No-SQL database.
- Project Link: <https://github.com/fraronbalsara/ExpenseManager>

## Python Discord Bot (Ferdinand)

- A discord bot written in Python using Discord.py and asyncio modules.
- It provides moderation features to kick, ban, mute and manage members with simple and convenient commands.
- Also, has an automatic profanity filter to delete messages that contain any sort of profanity automatically; to make moderation easier.
- Provides language translation for over 40 languages using simple commands.
- Moderators can start a random giveaway as well as a question-answer giveaway hassle free using one simple command.
- Provides a unique currency system of its own to play quick casino games like slots, roulette, blackjack and more to keep users engaged on your Discord server.
- The use of the asyncio module helps achieve synchronous programming so that it can run on multiple servers parallelly.
- Hosted on Heroku and is using a PostgreSQL database.
- Project Link: <https://github.com/fraronbalsara/Ferdinand>

## SKILLS & CERTIFICATES

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**Programming Languages:** Python, Java, C#, SQL.

**Web Technologies:** HTML, CSS, JavaScript, React.js, Spring Boot, PHP, JSON, Bootstrap.

**Databases:** MySQL, PostgreSQL, Cloud Firestore, MongoDB.

**Other Technologies:** ProcessUnity, Agile and Scrum(Rally), Git and GitHub, Android Studio, Unity, Discord.py.

**Certificates:**

- Foundation: Product Experience UX/UI Testing Foundation (Digital Credential Unavailable)
- Succeeding in Web Development Full Stack and Front End  
([https://www.linkedin.com/learning/certificates/eeca59b818ebba5f3795386ab83a68b53ab4c279301b785d00f5ea41bf1c3bc9?trk=share\\_certificate](https://www.linkedin.com/learning/certificates/eeca59b818ebba5f3795386ab83a68b53ab4c279301b785d00f5ea41bf1c3bc9?trk=share_certificate))
- MTA Security Fundamentals  
([https://www.youracclaim.com/badges/5a2191c7-9bae-4019-a33b-47f7ae628fcc/linked\\_in\\_profile](https://www.youracclaim.com/badges/5a2191c7-9bae-4019-a33b-47f7ae628fcc/linked_in_profile))
- Developing AI Applications on Azure  
(<https://www.coursera.org/account/accomplishments/verify/5U3BDZPUB6KF>)
- Computational Thinking for Problem Solving  
(<https://www.coursera.org/account/accomplishments/verify/894G8XVXNLER>)
- Digital MFDM™ AI Aware Certification (Digital Credential Unavailable)
- Process: ITIL Foundation Certification (Digital Credential Unavailable)

**Languages:** English, Hindi, Gujarati, Marathi (Most to Least Proficient)