

# Zeeshan Ali Hamdani

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## WORK EXPERIENCE

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### we.R.Play

Full Stack Software Engineer

Apr, 2022 - Present  
Islamabad, Pakistan

### Playdew Crypto Token

- Responsible for developing of an custom cryptocurrency to gamify workplace processes, using **MATIC**, and **Ethereum Blockchain**.
- Integrated MetaMask wallet authentication into a **NextJS** frontend.
- Communicated with the smart contract using compiled **ABIs** over **RPC** deployed on **ChainStackLabs**.
- Used **ReactQuery** for handling RPC requests, caching and state management of API and RPC calls.
- Used **ReactContext** API for state management.
- Web application deployed to Firebase Hosting using self hosted on premise **Github Actions**.
- Performed Blockchain unit testing using **HardHat** framework.
- Effectively utilised Github for code reviews, segregating different environments of the applications.
- Successfully represented the product to the CEO and stakeholders.

### Jambro

- *An intuitive networking platform that gives modern musicians unparalleled access to global music industry talent on their fingertips*
- Responsible for adding new features to the existing **React Native** application along with porting the application to **Flutter**.
- Implemented **Google Maps** for searching nearby musicians based on genres and instruments.
- **Deep-linking** using **OpenGraph**, videos shared through other social media applications could be open in the Jambro web app, if application was not found on the device, where the user can watch the video but also download the applications.
- Implemented In-App **NFTs** marketplace for buying and listing videos as **NFTs**.
- **NFT** media stored on **InterPlanetary File System (IPFS)** to ensure integrity and uniqueness.
- **NFTs** bought using **MATIC Token**.
- Handled **deployments** on **Google PlayStore** and **Apple AppStore**. Used **Closed Beta** and **TestFlight** for QA and client acceptance.

### Samsung SmartThing IoT

Lead Flutter Developer

Sept, 2020 - Oct, 2021  
Islamabad, Pakistan

- *Responsible of developing a cross platform application to manage Samsung IoT enabled appliances.*
- Integrated **REST API** to authenticate, and fetch user appliances.
- Authentication **Bearer Token** persisted through the application.
- Implemented the ability to create rooms and assign various appliances to each room.
- Dynamic controls for each appliance. (Sliders for appliances with variable parameters, toggles for switches)
- **JSON** serialisation to store room mappings locally.
- Led a team of two, after delivering base version, to successful project delivery.

## EDUCATION

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**COMSATS University Islamabad**

Feb, 2018 - Jan 2022

*B.S Software Engineering*

- Graduated with 3.82 CGPA,
  - with two Gold Medals by Former President of Pakistan, Dr. Arif Alvi
- Achieved 3rd position in Junior Speed Programming Competition (2019 - 3rd Semester)
- Achieved 6th position in All Speed Programming Competition (2018 - 2nd Semester)

## PERSONAL PROJECTS

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### Tanked

*Flutter Application*

- *A Flutter application developed using Stacked MVVM architecture to track fuel economy and expenses of daily driven vehicles*
- Developed and design the UI
- Authentication using Firebase, and Firestore for database services.
- Ability to add multiple vehicles
- Graphs and Statistics fro economy and cost per tank.
- **Working in Progress:** Web scraped fuel price using Cron Job, Firebase Functions, Puppeteer and NodeJS.

## CERTIFICATIONS, SKILLS & INTERESTS

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**Certifications:** Microsoft Office Specialist

**Skills:** Dart, Typescript, Flutter, Stacked Architecture, Dio, Retrofit, Firebase, Javascript, NextJS, Git, Github. MongoDB, SQL, Blockchain, REST API, NodeJS, JWT, Docker,

**Interests:** Guitar, Pets, Astrophotography, E-sports, Thrill Touring, IoT & Microcontrollers