

HAMMAD ALI KHAN

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EDUCATION

BS (COMPUTER SCIENCE), 2011-2015

FAST-NUCES, KARACHI

INTERMEDIATE (PRE-ENGINEERING), 2009-2011

COMMECS INSTITUTE OF BUSINESS AND EMERGING SCIENCES

MATRICULATION (SCIENCE), 2007-2009

HAMDARD PUBLIC SCHOOL

SKILLS

Programming Languages: C, C++, JAVA, C#, PHP, JavaScript, JQuery, Python, R, Scala, Go, Node

Framework/Stack: Ruby on Rails, Flask, Django, Express, Pandas, Numpy, OpenCV

Databases: SQL/PLSQL, ER/Schema Designing, MongoDB, Postgres, InfluxDB

Cloud: AWS, Predix

Data Parser: JSON, XML

Tools: NetBeans, Eclipse, Unity3D, Git, Pycharm, WebStorm, CLion

Concepts: OOP, Software Quality Assurance, Design Pattern, Data Structures

PROJECTS

- **Remote Interview – Final Year Project** – Worked as a frontend and backend (Ruby on Rails) developer. Remote Interview is platform based on a non-p2p model. This project record interview from both sides Interviewee and Candidate to have a better time management for those living in different time zones. Also provide a compiler and question bank for Interviewee to prepare interview.
- **Rental System – Human Computer Interaction** – A Web based system developed to provide a smooth interaction platform for the renter and owner to ease up the renting process.
- **UEstates – Software Quality Assurance** – A complete Real Estate Agency system developed including test strategy plan, quality plan and user guide of the system.

- **Cache with Buffer simulation – Computer Architecture** – Simulate time execution for number of instructions with and without cache. Simulate RAM, Cache, Buffer and CPU with number of instructions in execution.

EXPERIENCE

February 2016 – February 2017

10Pearls Pvt. Ltd.

Position

Game Developer

Job Responsibilities

- Develop and design games both 3d and 2d on unity3d cross platform IOS and Android.
- Responsible for writing backend logic for games mostly 2d.

Projects

- Animal Wiz a 2d game for children, game have two modes Pattern Match and Memory match.
- Tac Tic Toe a new version of Tic Tac Toe game with a twist of rotation in classic play of Tic Tac Toe.
- 2048 and Piano tiles merge game.

March 2017 – Present

Inbox Technologies

Position

Trainee Technical Consultant

Job Responsibilities

- Work in department of DIH (Digital Intelligence Hub) creating smart product using AI and Machine and Deep Learning.
- Applying latest technologies in field of data engineering retrieving, transforming, cleaning and providing deep insights of complex data using stack provided by Cloudera.

Projects

- Worked with Engro Polymer manufacturing for plant recommendations. Getting more than two hundred variables, pushing it to predix cloud, applying cleaning for data sparsity and transformation and finally utilizing it to train a model.
- Worked with REON Solar Energy providers for providing them real data analytics (mobile and web-based application). Getting data for inverter, weather, grid and generator, pushing

it to predix cloud time-series, wrote a backend on flask for rest apis. Finally will be applying machine learning for cost optimization on solar panel maintenance based on temperature, dust and solar output.

- Worked on facial recognition an in-house build for getting stream from NVR (Network Video Recorder) and training a model for recognition and detection, for attendance management and count.