

# Maliha Omair

## Senior Software Engineer

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**SKILLS:** React, React Query, Redux, Postgres, Python, Express, JavaScript, SQLAlchemy, HTML, CSS, Microsoft® SQL Server, ASP, Crystal Reports, Oracle Developer, Oracle 9i, Microsoft® VC++ 6.0, MFC, Adobe Illustrator, Adobe Photoshop, Adobe After effects

## EDUCATION:

University of Central Punjab (UCP) - BSC Computer Science

AppAcademy - Full stack bootcamp (React/NodeJs/Python) - May 2022 - Nov 2022

## TECHNICAL EXPERIENCE:

### Senior Software Engineer | Abacus Transcriptions Ltd | Oct 2004 – Mar 2006

- Led a team of 7 developers responsible for implementing and maintaining the medical transcription system.
- Designed and delivered new features and provided support to maintain existing applications.
- Operated in Windows 2000, Microsoft® SQL Server, ASP, Crystal Reports to enable individual physicians, group practices, and hospitals alike to record dictations and send instantly to their data center via the Internet securely.

### Software Engineer | Paradigm Soft | May 2004 – Oct 2004 ([www.intrinsyx.com](http://www.intrinsyx.com))

- Worked on design and development of TimeSheet, HR, Resume and AdminTask module of Office Manager.
- Developed modules using Microsoft® SQL Server, ASP and Crystal Reports.

### Software Engineer | Tower Technologies (TTL) | Feb 2003 – Sep 2003

- Designed and developed Modules of School Management System (SMS).
- Developed admission, registration, attendance and teacher management system for Resource Academia.
- Managed and administered the related Databases using Oracle Developer, Oracle 9i and developed reports using Crystal Reports 8.0.

### Software Engineer | Network Solutions PVT LMT (NetSol) | July 2000 - June 2001

- Worked on modules of lease management software handling all the workflow including signing of contracts, billing, customer reports, termination etc.
- Developed using Microsoft® VC++ 6.0, MFC, Microsoft® SQL Server™ 7.0, Oracle 7.3, Crystal Reports 8.0, StingRay Objective Toolkit and Grid.

## ADDITIONAL EXPERIENCE:

### ICNA Sisters USA | Technical lead | May 2017 – present

- Manage social media and youtube channels to maintain online presence and visibility.
- Provide technical support, maintain their website developed in weebly and revamped the official Wordpress site.
- Lead the east region team of children's department and teach Python and Scratch to youth ranging from 7- 14.
- Organize the technical parts of main events such as troubleshooting and problem solving and reasoning.
- Create logos, flyers, brochures, videos in Adobe Illustrator, Adobe After Effects, Doodly, Camtasia and Photoshop.

## PROJECTS:

**Boardmania:** Python, Flask, SQLAlchemy, Postgres, Javascript, HTML, CSS, React and Redux.

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This is a web based board game application where players can play LUDO with their friends and family.

- Implemented front end using React and Redux for State management.
- Implemented multiplayer game play and chat using WebSockets to enable live end-to-end communication.
- Created RESTful backend using Python / Flask and SQLAlchemy and Postgres as relational database.

**Mulaqat:** Express, Sequelize, Postgres, Javascript, HTML, CSS, React, Redux

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A web app inspired by Meetup.

- Created RESTful backend and implemented test cases using package supertest in Express.

- Used Postgres as relational database using Sequelize as the ORM.
- Created reusable React components to reduce code duplication.
- Used Formik for creating forms and Yup for validations.
- Used React Query to fetch data from RESTful backend services.

**Eatsy:** *Python, Flask, SQLAlchemy, Postgres, Javascript, HTML, CSS, React and Redux*

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Eatsy is a web application for selling and buying essential products.

- Users can create, edit, view and delete item listings for selling items.
- Leveraged React / Redux to enable users to search, add, and check out items from a shopping cart.
- Created user friendly feature through React to allow purchase orders to be viewed and reviewed by buyers