Zohaib Khaliq
(Software Engineer)

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SKILLS: Java, Android, JavaScript, React, Redux, HTML, CSS, Sass, Ruby, Ruby on Rails, Mongoose, MongoDB, Node.js, Express.js, SQL, SQLite3, PostgreSQL, Webpack, jQuery, Git, Heroku, AWS S3, Google Firebase, Google Maps

EXPERIENCE

IT Assistant
Senate Secretariat Parliament House Islamabad, Pakistan   Mar 2018 - Sep 2019
- Updated employee promotions, disciplinary action, holidays, and sick leave in management system on daily basis.
- Formulated **Excel sheets**, **Excel graphs**, and other documents as requested by authorities.
- Identified inefficiencies in the database management system and collaborated with the dev team to refactor procedures, improving scalability and database entry efficiency.

Android Developer
Ideofuzion, Pakistan   Mar 2017 - Mar 2018
- Refactored existing **Android** apps with new features and bug fixes to improve the sustainability of application.
- Developed a **pixel perfect** app in **XML** from scratch that allows users to chat and share bitcoins in real-time.
- Implemented **SQLite** to have smooth user experience in **e-commerce** applications.
- Integrated Facebook, Google, and Twitter login features for 7+ Android applications increased usability by 20%.
- Collaborated effectively with designer and back end developer to create software solutions that elevated **client-side experience** and significantly improved overall functionality and performance.

PROJECTS

FriendsFlix | *(React / Redux, Ruby, Rails Framework, HTML5, Sass, Webpack)*   **live** | **github**
A pixel-perfect replica of Netflix that allows users to stream media, search titles, and save media to a personalized list.
- Incorporated a smoothly transitioning scroll by creating a **JavaScript** function that utilizes screen measurement and thumbnail width in a dynamic mathematical formula.
- Used **Rails MVC** and **Active Record ORM** in order to map the results of **PostgreSQL** database queries into **Ruby** objects for **HTTP** request manipulation.
- Leveraged debouncing on a search by triggering an **ajax** call only when the user stops typing to improve the efficiency of backend queries by eliminating extraneous and expensive **HTTP** requests.

UMLChart | *(Javascript, Paper.js, Webpack, HTML5, Sass)*   **live** | **github**
UMLChart is a wireframe drawing tool that allows users to realize the top-level views of systems by using dynamic shapes.
- Created functionality that allows users to select and modify different shapes and save and edit their projects by integrating **Paper.js** with **JavaScript** on the front-end.
- Constructed custom shapes that re-render seamlessly by utilizing Paper.js classes and implemented JavaScript **event listeners** for user interaction, and **drag and drop functionality** for shape manipulation.
- Addressed drawing similar shapes by making small and reusable functions in order to keep code DRY.

GetSet | *(React / Redux, Resemble.js, Node.js, MongoDB, Express.js, AWS S3, HTML5, Sass)*   **live** | **github**
GetSet is a photo comparison game that allows users to create and match photo collections.
- Created a scoring mechanism using **Resemble.js** API, which scores user submissions instantly.
- Connected **AWS S3** using **Node** to incorporate image upload, reducing server load, and improving scalability.
- Implemented user auth with **JWT-token** that is sent with an **axios** request and verified server-side with **Passport** middleware.

EDUCATION

International Islamic University, Pakistan - *BS Software Engineering* 2016
AppAcademy, New York, NY - *Highly selective Full Stack development program with a 3% acceptance rate,* 2020