

# Muhammad Hassan Obaid

Software Engineer | Full Stack Developer

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## Summary

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Passionate Software Engineer with 1 year of hands-on experience in building full-stack web applications using Ruby on Rails and React. Skilled in integrating APIs, writing scalable backend logic, and designing responsive UIs. Eager to contribute to dynamic teams and create impactful solutions using modern development tools.

## Skills

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### Languages and Frameworks

Ruby, Javascript, HTML5, CSS3, Ruby on Rails, React

### Databases

Relational (PostgreSQL), NoSQL (Firestore)

### Tools & Technologies

Firebase, Git, Github, Postman, Bootstrap, Tailwind CSS, Stripe

### Core Concepts

DSA, OOP, MVC, RESTful APIs

## Experience

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### BlackStack Software Solutions, Associate Software Engineer Aug 2024 – Mar 2025 | Lahore, Pakistan

- Built dynamic web interfaces using HTML, CSS, with authentication handled by Devise.
- Integrated APIs to fetch and display real-time data, ensuring seamless communication between frontend and backend systems.
- Developed and optimized background workers, services, and scheduled tasks to enhance application performance and automation.
- Collaborated using Git and GitHub, following best practices for version control and code reviews.

### TechClan, Associate Software Engineer Apr 2025 – Present | Johar Town Lahore

- Created responsive designs using Tailwind CSS, ensuring mobile-first, cross-device compatibility.
- Collaborated on QuickBooks integration to sync invoices and customers using secure API flows.
- Integrated RESTful APIs for backend–frontend communication and external services using Rails conventions.
- Implemented decorators using the Draper gem to cleanly separate presentation logic from business logic.

## Education

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FCIT, University of The Punjab (3.55 CGPA),  
Bachelor in Software Engineering

Sep 2020 – Jun 2024 | Lahore, Pakistan

Kips College, F.Sc (pre-engineering)


Aug 2018 – May 2020 | Lahore, Pakistan

## Projects

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### Blog Post Platform

- Developed a blog post platform, a Ruby on Rails web app designed to allow users to create, edit, and delete posts.
- Incorporated Devise for authentication and CanCanCan for authorization
- Designed UI/UX using Bootstrap
- Built features for comments, and nested comments

<https://github.com/ahmedhassan296/Blogapp.git> 

### TourEase – Tour Management Web Application

- Developed a role-based tour management portal
- Designed UI/UX using React.js
- Built backend using Java
- Enabled tourists to book tours and companies to create packages

<https://github.com/mhassanobaid/FypProj.git> 

<https://github.com/mhassanobaid/FypProjBE.git> 

### Mini Projects

Tic Tac Toe(C++),Calculator(WPF)