Muhammad Omer Qasim

Software Engineer

linkedin.com/in/muhammad-omer-qasim-03a218242

omerqasim2011@gmail.com / +923335665504

With nearly two years of hands-on experience in the realm of software engineering, I bring a passion for software development and a hunger for innovation. Architecting solutions with scalable architectures, robust APIs, optimizing database querying and performance. Expertise in translating business needs into technical solutions across healthcare, social media, education, and fintech sectors.

Experiences

Centrox AI

A tech company building modern sleek and high quality applications by transforming their idea to product.

Software Engineer   JULY 2023 - PRESENT, ISLAMABAD - PAKISTAN

- Managed backend development for **Instacured**, connecting doctors with patients. Currently supporting *~1200* users and generating ~*$200,000* revenue yearly. Focused on feature dev & system performance optimization. Integrated third-party v2 APIs ensuring backward & forward compatibility with no frontend disruptions.
- Spearheaded development of **Rentuhbin,** a dumpster ordering platform similar to *"Uber for dumpsters".* Seamlessly integrated third-party SDKs such as *Stripe, Matrix, FCM, and Firebase* to improve app performance, and user engagement. Architected features like discounts, referrals for monetization and user engagement optimization. Implemented real-time *location tracking* with *~50%* reduced latency.
- Directed backend development for **Ideal Developer**, a real estate management portal. Reduced PDF generation latency by *8-10 seconds* for efficient rendering. Implemented multilevel Role-Based Access Control (*RBAC*) with dynamic data and customizable options for each role along with automatic payment adjustment.
- Worked as system engineer on **Thriving Minds,** a speech/voice AI assistant with real-time history maintenance, enabling seamless interaction and user engagement. Developed a pricing and subscription strategy. Including a *88/12* revenue-sharing model, to facilitate service provision and cover operational costs.
- Successfully accomplished the testing domain by utilizing various automation tools; *Selenium and JMeter*.
- Mentored interns on backend technologies, coding norms, & conducted code reviews fostering collaboration.

Sarmaaya Financial

Platform for financial research and portfolio tracking focused on tradable assets like Pakistan Stock Exchange stocks.

Associate Software Engineer   JUNE 2022 - JANUARY 2023, ISLAMABAD - PAKISTAN

- Specialized in integrating data visualization techniques into **Sarmaaya.pk** to display real-time stock, cryptocurrency, forex, and commodities data, benefiting *1.2 million* monthly visitors as of July 2024.
- Architected + deployed 2 Solutions for copying trades from **Binance** / **MT4** to signal on *telegram* and *discord*.
- Led a cross functional team of *3* developers in executing a *company-sponsored* project. Developed a copy trading platform that enabled investors to subscribe to experts and copy their trades.

Education

National University of Science and Technology (NUST)   2019 - 2023, ISLAMABAD - PAKISTAN
BE Software Engineering (Academic Distinction)   **CGPA: 3.57**

Skills

- **Execution/Craft**: -

Languages: Javascript, Typescript, Php, Python	**Caching**: Redis	**Testing**: Selenium, Jmeter
Frameworks: Nest.js, Node.js, Express.js	**Payments:** Stripe	**Databases**: MongoDB, SQL, PostgreSQL

- **Version control**: Git, GitHub, GitLab
- **Cloud:** Kubernetes, Docker, AWS, Digital Ocean, S3, Droplets
- **Collaboration**: Slack, Jira, Trello, Google suite
- **Behavioral/People**: Communication, Collaborative Problem-solving, Critical Thinking, Stakeholder Management

Achievements

- Awarded the *Top / Star Performer* at Centrox AI within the first professional year post-graduation.
- Won *Merit Award* for the best project in COMPPEC (National Event) out of *123 projects* in Software Category.
- Secured the 2nd Best Industrial Project for Final Year Project in Open House 23, NUST.