M. Raafay Khan

SOFTWARE ENGINEER

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SUMMARY

A full stack engineer with 2.5+ years of experience. Who believes that software development teams, that value the wellbeing of their peers and users, can disrupt world markets by creating products that invoke paradigm shifts in industries by making people's lives better.

CORE COMPETENCIES

- Programming Languages: **Javascript**, Python, Java, Golang

- Full Stack: **Angular, React, Nodejs,** Express, Web-workers, Socket,io, Redux

- DevOps, Automation: Docker, Git, AWS, Jenkins, Bash, Unix, EC2, Nginx

- Databases: MongoDB, MySQL, Redis, Firebase,

- Blockchain: Ethereum, HyperLedger Fabric

WORK HISTORY

Xgrid Inc, Islamabad Pakistan

Software Engineer 2 - Frontend, Backend, DevOps   **March-2019 - Present**

Software Engineer 1   **June-2018 - March-2019**

- Optimized a web application's performance by 250% by using **web-workers and micro-frontends** to handle large amounts of data.
- Designed and developed an event driven SPA for a SD-WAN orchestration sandbox tool using **Nodejs and Angular.**
- **Developed Nodejs APIs** that used internal scripts to orchestrate virtual machines and networks.
- Created APIs and frontend features that handled uploads of 10 Gb+ of virtual machine files.
- Optimized legacy frontend application, by adding lazy loading thereby increasing loading performance by 62%.
- Created reusable dynamic angular components for a complicated UI.
- Implemented container **orchestration of a NodeJs Web application using docker compose.**
- Created internal automation and helper scripts for docker containers using bash.
- Lead an effort to develop a Pharmaceutical inventory and human resource management PoC application using **ReactJs**.
- Interviewed and assisted in hiring full stack development resources.

ZemCar, Boston USA

Full Stack Developer - Remote   **September-2017 - June-2018**

- Designed and developed a SPA using **Angular and Nodejs** for a ride sharing platform which allows administrators to adjust ride times for daylight savings; optimizing the workflow from 3 to 4 hours to 10 minutes.
- Created mechanisms to automatically handle daylight saving conversion dilemmas.

IBM, Islamabad Pakistan

Global Markets Intern - Blockchain, Frontend, Backend   **June-2017 - August-2017**

- Created and maintained feature rich web applications that integrated with Blockchain services using **ReactJs**.
- Developed dynamic ReactJs components that users could configure based on Blockchain workflows.

EDUCATION

Software Engineering, NUST Pakistan

- CGPA: 3.2
- Years of study: 2014 - 2018