Mohammed Ali Khowaja

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SUMMARY

Software engineer with over 5 years of experience in the JavaScript ecosystem and Go, with expertise in developing applications using both NoSQL and SQL databases, and modern front-end libraries and frameworks such as React.js and Next.js. Additionally, experienced in deploying and maintaining game servers and performing system administration on Linux environments.

EXPERIENCE

Freelance Full-Stack Web Developer | Freelance | Remote | January 2019 - Present
- Software engineer contributing to an Agile Scrum team by developing and maintaining full-stack web applications using TypeScript, React.js, and MySQL, serving over 200 monthly active users.
- Led the team for two months, managing task delegation and achieving a 100% on-time completion rate for sprint goals.
- Developed responsive front-end interfaces using TypeScript, React.js, and Next.js.
- Optimized application and database performance by implementing Redis caching.
- Conducted over 5 interviews and mentored 3 new recruits.

Freelance Senior Game Developer | Freelance | Remote | September 2022 - November 2024
- Developed and managed a multiplayer game server for Grand Theft Auto V, using TypeScript ecosystem to implement custom features.
- Authored comprehensive documentation for server features, streamlining knowledge sharing and onboarding processes.
- Created scripts and automated tools to enhance server operations and team productivity, such as a script for the localization team to identify changes or leftover text requiring localization, improving workflow efficiency.
- Managed the full development lifecycle, from gathering requirements to deployment, ensuring efficient collaboration and meeting project goals.
- Utilised Strapi CMS to allow non-technical team members and stakeholders to efficiently manage their server instance configurations and other settings, reducing reliance on developers.

EDUCATION

Bachelor of Computer Science | SZABIST University | Karachi, Pakistan | 2025 | 3.6/4.0 CGPA

Intermediate, Computer Science | Habib Public High School | Karachi, Pakistan | 2021 | A Grade

COURSEWORK

Data Science | SZABIST University, Karachi | Leadership, Team Management, Data Scraping, Python, Data Analysis, Troubleshooting | 2024
- Used **leadership and team management** to delegate tasks, monitor progress, and ensure timely completion of project milestones.
- Developed and provided **tools and scripts** for data scraping over 50k rows and over 10 features, facilitating the extraction of relevant information for the project.
- Applied **Python programming** to clean datasets, handle missing data, and develop a predictive model to generate actionable insights.
- Designed and implemented a **Power BI dashboard** to visualize key findings, making data easier to interpret for stakeholders.
- Assisted team members with challenges, applying **problem-solving skills** to address technical or workflow issues effectively.

INVOLVEMENT

Tech Team Member | SZABIST University, Karachi | Google Developer Group on Campus, SZABIST Karachi Chapter | October 2024 - Present
- Presenter for a session on the basics and applications of Generative AI with real-life examples to more than 60 participants.
- Helped organize and manage events to help students build their technical and non-technical skills, bridging the gap between theoretical knowledge and practical experience.
- Build connections with professionals, industry experts, and other members to expand career opportunities, preparing for careers in technology by gaining hands-on experience and learning from resources provided by Google.
- Developed solutions to verify certificates issued to participants of seminars and events conducted, ensuring authenticity and simplifying validation processes.

SKILLS

Programming Languages: C, Go, JavaScript, TypeScript, Python

Frameworks: ReactJS, NextJS, Tailwind, TanStack, LangChainJS

Databases: MySQL, MariaDB, Postgres, MongoDB, Redis

Cloud/Deployment: Windows Server, Linux (Ubuntu/Arch), Docker, Azure VMs

Tools: Docker, Git, LLMs, GitHub Actions, Microsoft Office Suite, Postman, Puppeteer, JIRA

Languages: English (fluent), Urdu (native), German (A1)