Saqlain Khan

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EDUCATION

Mumbai University	Mumbai, MH
Bachelor of Engineering in Mechanical Engineering	*Aug. 2016 – Dec 2020*

AlgoUniversity(YC S21)	Hyderabad, TG (Remote)
Leap Batch Of 2023	*Aug 2022 – Current*

Learned Problem Solving and solved **300+ problems** using DSA and made scalable projects under mentorship of **ACM-ICPC World finalists, IOI Medalists, Senior Engineers** from **Google, Apple, Grab Singapore and Microsoft.**

EXPERIENCE

Systems Engineer	June 2021 – Present
Infosys Ltd.	*Pune, MH*

- Designed and provided solutions for networking circuits that connected different locations across the United States as a **Solutions Architect for Networking Systems** at Lumen.
- Created customer **circuit designs** utilizing the latest wavelength architectures for both metro and long haul Dense wavelength division multiplexing (DWDM) networks.
- Utilized in-depth knowledge of networking technologies and protocols to analyze customer requirements and propose optimal solutions that met their needs.
- **Collaborated** closely with sales teams, network engineers, and customers to ensure successful implementation of designed solutions.

PROJECTS

JavaScript Notebook | *React, Express, React, Redux, Typescript* ⌨

- Created a **Command Line Interface (CLI)** tool named **"jscolab"** to launch an interactive development enviornment for writing and documenting code.
- Designed the tool to run and compile in the browser and save content to a file for convenience.
- Developed a **full-stack web application using React for the frontend and Express for the backend**. Used **ESBuild for transpiling and bundling** code by fetching required package from **Unpkg.com**. Published the "jscolab" package on NPM, making it accessible to users through the command **"npx jscolab serve".**
- Successfully created the CLI tool that launched an **interactive development environment** for writing and documenting **JavaScript and React code**.

Expense Tracker | *React, Context API, Material-UI, Speechly* ⌨

- Growing need for efficient **income-expense management apps** due to complex finances and desire for user-friendly accessibility.
- Developed a application using **React framework** to track income and expenses with a user-friendly interface.
- Implemented a **user-friendly interface** with options for categorization and date selection. Integrated **Speechly API** to enable hands-free usage of the application. Utilized **React Chart Kit** to represent income and expenses in a pie chart, providing a visual representation of the user's financial data.
- Successfully developed a **responsive web application using React framework** to effectively track and manage income and expenses.

TECHNICAL SKILLS

Languages: JavaScript, Java, Python, Typescript, SQL
Web Development and Frameworks: React, Node.js, HTML/CSS, Express.js, Mongo DB, Redux, Material-UI
Developer Tools: Git, Docker, Ansible, Docker, Kubernates, Jenkins, VS Code, PyCharm, IntelliJ
Cloud Platform: AWS, Azure, Digital Ocean

COURSEWORK/CERTIFICATION

- Problem Solving using DSA, CS Fundamentals, System Design Scalable Architecture & design, Soft Skills, Version Control - Git, Low Level Design, Computer Networks, Operating System
- Microsoft Certified: Azure Fundamentals (AZ-900) 🔗