

Kushagra Gupta

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[LinkedIn](#) • [Github](#) • [Website](#)

Education

Master of Science in Computer Science, GPA 3.59

December 2021

The University of Texas at Dallas, Richardson, TX 75080

Experience

Software Developer, Intern (Full-Time)

May 2020 - December 2020

Rumzer LLC, Madison, WI 53555

- Developed EER diagram, logical schema and implemented application database in PostgreSQL.
- Developed license based user management system and REST APIs for handling authentication, organization and users. Users can be invited by admin to signup and join the organization.
- Developed subscriptions micro-service for handling payments utilizing Stripe.
- Developed CRM like contacts, tasks and notes management system with frontend in Angular and API in Node.js.
- Developed email micro-service for integrating email accounts to send and receive emails within the application.
- Built a micro-service to handle files. Implemented a JavaScript library in Angular for accessing, uploading, saving, downloading and deleting files. The library utilizes the file micro-service.

Software Developer, Intern (Part-Time)

January 2021 - August 2021

Rumzer LLC, Madison, WI 53555

- Built UI and API to handle n-level Product Tree (Bill of Materials).
- Developed UI to handle spreadsheets, allowing users to upload and view excel and csv files.
- Built a component in Angular that uses doubly linked list to navigate through data back and forth.
- Utilized web sockets and polling to implement in-app notifications.
- Developing internal tool like Travis CI for code integration, deployment and handling micro-services on the server utilizing Git, Gitlab, Docker, Kubernetes, Webpack and Babel.

Personal and Open Source Projects

Cloud Storage Solution

- Built client app in Angular and REST API using Node.js and MySQL for handling accounts and files, each deployed as an individual micro-service with the option to deploy file micro-service on-premise. ([Demo Link](#))

Team Collaboration App

- Developed a client in Angular and REST API using Node.js and MongoDB to handle accounts and file-sharing. Built a socket server for messaging and utilized Twilio's WebRTC API for video meetings. ([Demo Link](#))

Group Video Meetings

- Developing an open-source online meeting solution for up-to 10 users using WebRTC and Slack Integration.

P-2-P WebRTC Rooms and Messaging App

- Utilized WebRTC and [socket.io](#) to build a peer-to-peer video call and chat application using vanilla JS. ([Repo](#))

Single Sign-On (SSO)

- Developed a client in Angular and REST API to handle authentication and user accounts using Node.js and MongoDB. It can be used to authenticate users across different applications without requiring them to re-login.

Wiki

- Built a wiki application using Angular, Node.js, MongoDB, and [socket.io](#).

Kanban Board

- Built a Kanban Board in Angular utilizing drag, drop api and browser storage. ([Demo Link](#))

Web-based Git Client

- Developed a Github like application using Node.js, Express.js, EJS, and Git over Apache server. ([Repo](#))

Web Components Library

- Building custom web components using Vanilla JS. ([Repo](#))

Skillset

Proficient: Java, Javascript, Angular, Node.js, Express.js, PostgreSQL, MySQL, MongoDB, Apache, Linux, Git, WebRTC, WebSockets, EJS, HTML, SCSS, CSS, Angular Material, Bootstrap.

Familiar: React.js, Angular.js, Docker, Kubernetes, Kafka, JSP, Servlets, Tomcat, C#, .NET Core, Android, AWS EC2, AWS RDS, Azure VMs.