

SAALIK MUBEEN

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Technical Skills

Frontend: HTML, CSS3, JavaScript, Typescript, SASS, React, Redux, Redux Toolkit Next.js, Remix.js, Gatsby, Apollo Client, RxJS, React Query, RTK Query, Tailwind

Backend: Nodejs, Express.js, NestJS, Python, Django, REST APIS, GraphQL, TypeGraphQL, NGINX, JWT, OAuth, django-rest-framework, graphene-django, Apollo Server, GraphQL-Yoga, socket.io

Databases: MySQL, PostgreSQL, MongoDB, Redis, Firebase, Mongoose, TypeORM, Prisma

Testing: Unit testing, Integration testing, Jest, Enzyme, Mocha, Chai, Supertest, React Testing Library, Puppeteer, Cypress

App Development: React Native, Expo, Electron.js

DevOps: Git, Docker, Kubernetes, Github Actions, Terraform, CI/CD, Circle CI, Travis CI, AWS (EC2, ELB, ASG, ECS, EKS, Fargate, S3, Lambda, API Gateway, DynamoDB, Cloudformation, Elastic Beanstalk, SNS, SQS, IAM, VPC, Route53, RDS, ElasticCache, CloudFront, KMS, aws-amplify), Vercel, Netlify, Heroku

Areas of Interest: Microservices, Micro-frontends, Distributed Systems, Application Containerization, Software Engineering, Cloud Computing, IaaS, Serverless, Database Design, System Design, Design Patterns, Architectural patterns

Other Skills: Data structures and Algorithms, DBMS, OOP, Rust, Linux, Web Sockets, WebRTC, Test Driven Development, SOLID Design Principles, Fullstack Engineering, Googling

Experience

Arpari

August 2022 – Present

FullStack Software Engineer

New York, USA

- Founding member of Arpari, a treasury management platform serving the commercial real estate industry, where I have played a pivotal role as a founding engineer in the company's growth and success by delivering seamless and robust solutions on both the backend and frontend. Involved in Software architecture design, development, team leading and making it work.
- Demonstrated proficiency in **Python, Django, Django Rest Framework**, and **MySQL** for backend development, ensuring efficient treasury management, payment, and deposit account services for the commercial real estate industry. Integrated multiple third-party finance systems and **APIs** like **Unit, Finicity, Plaid** with the the backend, **increasing global revenue by 23%** in the first quarter.
- Successfully led and guided the company's transition from Django templates to a robust client-server architecture using **React.js** and **react-router-dom**, empowering users with a seamless and highly responsive single-page application experience while **eliminating unnecessary page reloads**.
- Spearheaded the refactoring effort, transitioning the codebase from class-based components to **React hooks** and **React Context API**, resulting in significantly **improved code reusability, maintainability, and readability**.
- Employed **React.js, Ant Design**, and **CSS** to create intuitive and visually appealing user interfaces, dashboards and graphs enhancing the user experience and driving customer satisfaction.
- Implemented performance optimizations on the backend, leveraging efficient database management techniques and backend frameworks, resulting in **decreased load times** and **improved overall system efficiency**.

Projects

[TalkHouse](#) | *React.js, Node.js, MongoDB, Redux, Typescript, Material UI, webRTC, socket.io, Docker, docker-compose*

- Developed TalkHouse, a cutting-edge WebRTC-based peer-to-peer video calling and realtime messaging web app, leveraging the MERN stack.
- Implemented essential features such as token (JWT) based user authentication and authorization, audio and video chat capabilities, online indicators and typing notifications, ability to send and accept invitations, and incorporated screen sharing functionality, allowing users to share their screens during video calls for collaborative purposes.
- Recent additions include group chats similar to WhatsApp, enabling users to create and participate in group conversations, as well as the ability to remove friends and host **TalkHouse Spaces**, reminiscent of Twitter spaces, where users can join with video or audio and engage in real-time discussions.
- Dockerized the entire application for ease of anyone trying to run the app on local machine.
- Used heroku to deploy the server and mongodb atlas for database. Frontend is hosted on netlify.
- Received more than **110 stars** and **19 forks** on GitHub.
- More than **1000 users** have registered and actively utilized and used the app.

[Ticketing](#) | *Next.js, Express, MongoDB, Typescript, Jest, Docker, Kubernetes, NATS Streaming, Stripe*

- Created an event-driven microservice architected e-commerce web app based on distributed systems principles.
- The app is divided into 7 services, each handles and implements a specific feature and functionality of the app. If any of the service goes down say the payments service, the other parts and features of the app will still be functional and running due to the distributed, event driven and microservices architecture.
- All the services run as docker containers managed and orchestrated by the kubernetes. NATS streaming is used as an event bus or message broker. Used Jest and supertest for unit testing.
- Implemented object-oriented programming practices such as inheritance and abstraction and use of interfaces and abstract classes to create different reusable software components and classes.
- Received more than **490 stars** and **27 forks** on GitHub.

[PaperHouses](#) | *React, TypeScript, Ant Design, GraphQL, Apollo Client, MongoDB, Apollo Server Express, OAuth*

- Led the development of PaperHouses, an Airbnb-like web application, that helps people rent out their property, house and apartment and earn money.
- Integrated Google OAuth for secure user authentication and authorization. Utilized Stripe for seamless payment handling, ensuring secure and reliable transactions.
- Developed a real-time chat system using GraphQL Subscriptions, enabling direct communication between hosts and tenants. Created a robust and comprehensive review and rating system. Designed and implemented a search functionality, enabling users to find listings and rentals based on location and refine results by price and ratings.
- Leveraged Mapbox to display detailed maps, enhancing the user experience and providing valuable location information.
- Received more than **30 stars** and **7 forks** on GitHub.

[saalik.me](#) | *Next.js, TypeScript, CSS Modules, Firebase, Spotify API, Prettier*

- Developed a personalized website cum portfolio showcasing my skills, passion, interests and achievements using the Next.js framework, TypeScript, CSS Modules and Firebase.
- Integrated Spotify API to display real-time information about my currently listening song, Spotify music activity, recent played songs, all-time favorite tracks, and current favorite tracks.
- Leveraged Firebase's Realtime Database to store and manage profile visits and view counts, providing valuable insights into user engagement. Achieved a successful reach of over **40,000 overall profile visits** and counting.
- Utilized GitHub's API to retrieve details about my repositories and open-source contributions, highlighting my active involvement in the development community.
- Implemented a user-friendly blog feature using Markdown and marked library. Incorporated an RSS feed to provide easy access to the latest updates and articles published on the website.
- Implemented a toggle functionality to enable users to switch between dark and light modes, enhancing the user experience and personalization options.
- Utilized Next.js-Sitemap package to automatically generate a sitemap.xml file, optimizing the website's visibility and search engine performance and improving indexing and search result rankings.. Deployed the website on Vercel, ensuring high scalability, performance, and reliability.

[ShopLinee](#) | *React.js, Redux, Express.js, MongoDB, Mongoose, PayPal*

- Created a concise, fast and complete ecommerce web app with paypal integration and admin screens.
- Supports features like JWT based user authentication, shopping cart, rating and review system, pagination, fulltext search, user profiles and order summary, checkout process, stripe payments, admin dashboard and more.

[Flat Colors UI](#) | *React.js, Material UI*

- Designed and built a colour palette web app for web designers and web developers to help them visualize and choose between different colour shades, create different colour palettes for themselves, add different shades of colours and copy colours in hex and rgba formats.
- Aim is to make the life of designers and frontend developers little easier while choosing colors.

Education

National Institute of Technology, Srinagar

Bachelor of Technology, B.Tech in Civil Engineering

July 2019 – July 2023

Hazratbal Srinagar, J&K

Language Skills / Interests

Interests

Music, Cricket, Software, Dark Academia, Poetry, Travelling

Languages

Fluent English, Hindi, Urdu and Kashmiri