

# SAALIK MUBEEN

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## Education

**National Institute of Technology, Srinagar**

*Bachelor of Technology, B.Tech in Civil Engineering*

**July 2019 – July 2023**

*Hazratbal Srinagar, J&K*

## Technical Skills

**Frontend:** HTML, CSS3, JavaScript, Typescript, SASS, React, Redux, Next.js, Gatsby, Apollo Client

**Backend:** Nodejs, Express.js, NestJS, Python, Django, REST APIS, GraphQL, TypeGraphQL, NGINX, JWT, OAuth, django-rest-framework, graphene-django

**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, CI/CD, Circle CI, Travis CI, AWS (EC2, ECS, EKS, S3, Lambda, API Gateway, DynamoDB, Cloudformation, Elastic Beanstalk, IAM, VPC, Route53, RDS, ElasticCache, CloudFront, aws-amplify)

**Areas of Interest:** Microservices, Micro-frontends, Distributed Systems, Application Containerization, Software Engineering, Cloud Computing, IaaS, Serverless, Database Design, System Design, Design Patterns, Architectural patterns, Web3, Blockchain, Decentralized Apps

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

## Projects

**TalkHouse** | *React.js, Node.js, MongoDB, Redux, Typescript, webRTC, socket.io*

- Developed WebRTC based peer to peer video calling and realtime messaging web app.
- Implemented features like token (JWT) based user authentication and authorization, audio and video chat, screen sharing, online indicator, sending and accepting invitations, notify on typing and much more.
- 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.

**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 450 stars on gitHub.

**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.

**ShopLinee** | *React.js, Redux, Express.js, MongoDB, Mongoose*

- Created a concise, fast and complete ecommerce web app with stripe 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.

**DevSearch** | *Django, PostgreSQL, Heroku, AWS*

- Developed a social platform to connect with developers around the world. Developers can register, create profiles, list and show off their skills and details of the projects they have worked on and more

## Language Skills / Interests

### Interests

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

### Languages

*Fluent English, Hindi, Urdu and Kashmiri*