# SAALIK MUBEEN

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## Summary

Software Engineer with over **3 years** of experience developing scalable, high-performance applications using modern web technologies. Proficient in **React (Native), Next.js, TypeScript, Node.js, GraphQL, Golang, Python and Django**. Skilled in collaborating with globally distributed remote teams to deliver impactful solutions.

## Experience

### Arpari (YC W22)                                                                 July 2022 – Dec 2023
*Software Engineer*                                                          *New York, USA (Remote)*

- As a **founding engineer**, led end-to-end development of critical features for a treasury management platform, enhancing payment workflows and external banking integrations like Finicity, and Plaid.
- Architected and developed APIs using **Python, Django, and MySQL** to enable seamless fund transfers, contributing to a **23% increase in revenue** in the first quarter.
- Migrated frontend from Django templates to a React.js based single-page application, significantly improving UX by **reducing page reloads by 90%** and providing instant feedback.
- Optimized backend performance, **reducing load times by over 60%** through efficient database management and backend optimizations.
- Refactored the frontend codebase from class-based components to **React Hooks and Context API**, improving maintainability and readability.
- Successfully collaborated with a **global team** while working remotely from India, Asia

### Self Employed                                                                  June 2021 – July 2022
*Independent Software Consultant*

- Collaborated with startups globally, transitioning multiple platforms from legacy server side rendered templates to modern **Next.js** and **React.js** single-page applications, improving user experiences and app performance.
- Migrated systems from Node.js REST APIs to **GraphQL**, optimizing API requests and **reducing latency by 50%**.
- Developed cross-platform mobile apps using **React Native** and **Expo**, delivering intuitive user experiences.

## Technical Skills

**Frontend**: JavaScript, Typescript, React, Redux Toolkit, Next.js, React Native, Expo, Apollo Client, Tailwind CSS
**Backend**: Nodejs, Express.js, Go (Golang), Python, Django, GraphQL, NGINX, GRPC, Django REST framework
**Databases**: MySQL, PostgreSQL, MongoDB, Redis, Firebase, Mongoose, TypeORM, Prisma
**DevOps**: Git, Linux, Docker, Kubernetes, CI/CD, Travis CI, AWS, Vercel

## Projects

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

- Built a **peer-to-peer video calling and messaging** app with WebRTC, implementing JWT-based authentication, online indicators, typing notifications, and group chats.
- Dockerized the application for easy local deployment and used MongoDB Atlas for database management.
- Scaled to **1,000+ active users**, recognized with **120+ GitHub stars** and **20 forks**.

**Ticketing** | *Next.js, Express, MongoDB, Typescript, Jest, Docker, Kubernetes, NATS Streaming, Stripe*

- Developed a highly scalable e-commerce platform using **microservices**, enabling real-time ticket sales for live events.
- Architected **7 independent microservices**, each handling distinct functionalities like authentication, orders, payments, and ticket management, with **Docker** containers orchestrated by **Kubernetes**.
- Employed **NATS streaming** event bus for asynchronous, fault-tolerant service-to-service communication, ensuring system resilience even during service failures.
- Integrated **Stripe** for secure, automated payment processing with expiring payment windows managed via Bull.js.
- Achieved **500+ GitHub stars and 28 forks**, validating the project's complexity and impact within developer community.

**PaperHouses** | *React, TypeScript, Ant Design, GraphQL, Apollo Client, MongoDB, Apollo Server Express, OAuth*

- Led the development of a rental platform similar to Airbnb with **Google OAuth** integration and **Stripe payments**.
- Implemented real-time chat with **GraphQL Subscriptions** and integrated **Mapbox** for property location displays.

## Education

### Georgia Institute of Technology (Georgia Tech)
*Master of Science, MS in Computer Science*                                          *Atlanta, GA, USA*