

# Mabusubhani Shaik | Full Stack Developer

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## About Me

**Full Stack Developer** with 3+ years of production experience designing and building **scalable SaaS** and consumer applications. **Expert** in **frontend engineering (Vue.js, React.js, React Native, Next.js)** and **backend development (Node.js, Express, Koa, NestJS)** with strong **TypeScript proficiency**. Designs and implements **RESTful APIs, GraphQL, and real-time systems (WebSockets, Socket.io)**, with deep experience in **state management (Pinia, Redux, Zustand)** and modern **UI libraries (ShadCN/ui, MUI, TailwindCSS)**. Engineers robust **data layers with PostgreSQL and MongoDB** and implements **cloud-native solutions (AWS, Vercel)**. Advocates for **microservices architecture** and **DevOps best practices**, leveraging **Git, CI/CD, Docker, and monorepos** in **Agile environments** to ensure **high-performance, maintainable systems**.

## Professional Experience

### Software Engineer, Buildbot technologies

Vijayawada, Feb 2023 — Present

#### Key Responsibilities

- Full-Stack Development:** Built and **scaled web applications** using **Vue.js, React.js, and TypeScript**, with **backend services in Node.js (Express, NestJS, Fastify, Koa)** following **clean architecture principles**.
- API & Backend Engineering:** Designed and maintained **RESTful APIs and GraphQL APIs** with **JWT authentication, OAuth 2.0, RBAC (Role-Based Access Control), refresh tokens, and rate limiting**.
- Real-Time & Asynchronous Systems:** Implemented **real-time communication** using **WebSockets / Socket.io** and **Redis Pub/Sub**, and managed **background processing with BullMQ and RabbitMQ** for **scalable systems**.
- Database & Performance Optimization:** Modeled and optimized **data modeling in PostgreSQL, MongoDB, and Redis** using **Prisma, TypeORM, Drizzle ORM, and Mongoose**, ensuring **database performance, data integrity, and query optimization**.
- DevOps & Integrations:** Containerized applications with **Docker and Docker Compose**, automated **CI/CD pipelines (GitHub Actions, GitLab CI)**, and integrated **third-party services (AWS S3, Cloudinary, Twilio, SendGrid, Firebase Cloud Messaging, Google APIs)**.
- Quality Assurance & Agile Collaboration:** Ensured **code quality** through **unit testing and API testing (integration testing)**, and collaborated in **Agile/Scrum teams** using **project management tools (Jira, Confluence)** and **version control (Git)**.

### QA Intern, Shandy Systems

Hyderabad, Sept 2022 — Nov 2022

#### Key Responsibilities:

- Conducted **manual testing** including **functional, UI, smoke, regression, and end-to-end testing** on web applications.
- Created and executed detailed **test cases**, prepared **test data**, and generated **test execution reports**.
- Logged and tracked **defects** using **Jira**; worked closely with developers to verify fixes and perform **regression testing**.
- Ensured **cross-browser compatibility**, usability, and full requirements coverage before every production release.

## Education

### St. Mary's Group Of Institutions Jawaharlal Nehru Technological University

Guntur, Jun 2018 — Jun 2022

Bachelor of Technology

## Technical Skills

<b>Frontend</b>	React.js, Vue.js, Angular, HTML5, CSS3, TailwindCSS, Bootstrap, ShadCN
<b>Backend</b>	Node.js: Express, NestJS, Koa, Fastify   Python: Django, FastAPI
<b>Databases</b>	PostgreSQL, MongoDB   ORM/ODM: Drizzle, Prisma, Mongoose,
<b>API &amp; Architecture</b>	REST APIs, GraphQL, JWT/OAuth Authentication, Microservices, Modular Design, WebSockets, Firebase
<b>Tools &amp; DevOps</b>	Docker, Kubernetes, CI/CD (GitHub, GitLab), Git Version Control
<b>Performance &amp; Optimization</b>	Redis Caching, Query Optimization, Scalability, Load Handling

## Courses

### Python, Naresh IT

Aug 2022 — Nov 2022

## Project

#### Live Projects

- Feedo** – Platform for organizations to create forms, collect feedback, and analyze insights in real-time. (<https://feedo-ten.vercel.app>)
- FrameFlix** – Platform for discovering, reviewing, and getting details on movies and series. (<https://frame-flix.vercel.app>)

#### Ongoing Projects

- Edulyt** – School administration platform for messaging, attendance, and reporting.
- Hoursy** – Time-tracking SaaS with real-time dashboards and automated invoicing.
- Zentri** – Personal finance and budgeting app with spending analytics.

## Additional Information

Portfolio Link: <https://mabusubhani-fullstack-portfolio.vercel.app>