

RABAH ALI SHAH

Associate Software Engineer



rabah-dev.vercel.app



muhammadrabah.ali46@gmail.com



[linkedin/rabahalishah](https://linkedin.com/in/rabahalishah)



+92 309 2596609



Lahore, Pakistan



[github/rabahalishah](https://github.com/rabahalishah)

SKILL

- **Frontend:** React.js, Next.js, JavaScript, Redux, React-Context, React Query, Material-UI, Tailwind CSS, Bootstrap, HTML, CSS.
- **Backend:** Node.js, Express.js, Python, Django Rest Framework, MongoDB, Mongoose, PostgreSQL, JWT, RESTful APIs.
- **DevOps:** GitHub Actions, Bitbucket Pipelines, Docker, Virtualization, Jenkins.
- **Tools:** Git, GitHub, Postman, Figma, Jira, Bit bucket, Mix-panel.
- **Others:** Linux/Ubuntu

EDUCATION

NATIONAL UNIVERSITY OF SCIENCE & TECHNOLOGY, (NUST), ISLAMABAD

Bachelor of Engineering
2020-2024

OPEN SOURCE CONTRIBUTIONS

Joomla/Manual

- Improved the user interface of the footer section, enhancing the overall user experience.
- Collaborated with the Joomla community, following best practices for code contributions and pull requests.

Plone/Volto

- Authored and improved documentation, helping new developers and users better understand the platform.
- Worked closely with the documentation team to ensure clarity and accuracy in the guides.

RELEVANT COURSEWORK:

- Fundamentals of Programming
- Database Management System
- Data Structures and Algorithms
- Computer Networking
- Operating Systems
- Object Oriented Programming
- Information of Computer Technology
- Project Management

WORK EXPERIENCE

- **Xylexa Inc. – Associate Software Engineer** **June 2024 – Present**
 - Collaborated with the team lead to revamp the codebase and developed a separate module in the monorepo.
 - Designed and implemented a reporting module from scratch, enabling the creation, editing, and updating of patient reports.
 - Developed an Annotations feature to display on-screen annotations and store them in the database for respective studies.
 - Built backend services for the annotations module using Django REST Framework (DRF) and integrated them into the main application.
 - Developed Bitbucket pipelines to automate deployment processes for staging and production environments.
 - Implemented TypeScript to enforce strict typing, making the application more robust, easier to debug, and reducing errors.
 - Documented all contributions to facilitate understanding for other developers and maintained an Architecture Decision Record (ADR) for the project.
 - Integrated React Query for data caching and optimization, enhancing performance.
 - Optimized the filter search functionality for studies, improving user experience.
- **Xylexa Inc. Front-End Engineer** (Part time) **Sep 2023 – June 2024**
 - Development of Xylexa Portal, a project and team management tool under the supervision of Sr. Software Engineers.
 - Initiated the project from the company's concept, handling wireframing, prototyping, and UI/UX design in Figma.
 - Responsible for front-end development using React, Tailwind CSS, JavaScript, TypeScript, CSS, and HTML.
 - Ongoing development, collaborating with cross-functional teams for seamless integration.
- **Xylexa Inc. Software Engineer – Intern** **Jun 2023 – Sep 2023**
 - Collaborated with the development team on XyCAD V3, focusing on understanding code flow, implementing UI components, and enhancing the user interface.
 - Made the UIs of XyCAD responsive using React.js, ensuring accessibility and functionality across devices.
- **Bytewise Limited – DevOps Fellow** **June 2024 – Sep 2024**
 - Participated in an intensive program focused on DevOps practices, covering CI/CD, infrastructure as code, containerization, and cloud services.
 - Applied DevOps methodologies in real-world projects, including the implementation of Jenkins pipelines for automation.
 - Gained insights from industry experts through mentorship, staying updated on best practices and emerging trends.
 - Built a professional network with peers and industry professionals, fostering continuous learning and growth.
 - Developed problem-solving skills and a proactive mindset, preparing for advanced roles in DevOps.

CERTIFICATIONS & COURSES

- React – The Complete Guide – Udemy, AcadMind
- Complete Node.js Bootcamp – Udemy, Jonas Schmedtmann
- The Complete Web Developer Bootcamp – Udemy, Zero to Mastery
- The Complete Python Developer – Udemy, Zero to Mastery
- Introduction to Linux Operating System, freeCodeCamp
- Operating Systems CS-330
- The complete javascript from zero to expert – Udemy
- Network Engineering CompTIA Networking Free code camp
- Building REST APIs with Django
- Bash Scripting on Linux– Learn Linux TV

LANGUAGES

- English
 - Urdu
-

PROJECTS

● useSecureLocalStorageHook – NPM Package

useSecureLocalStorage is a supercharged version of React's useState hook, designed to securely store and persist state in the browser's local storage with typescript support. So that, a user can make sure strictly typed data while storing or retrieving from local storage. Built on top of react-secure-storage, this library not only encrypts your data but also ensures strict typing and synchronization for the most up-to-date state.

● Chat Sphere – Full Stack Real-Time Chat Web Application built in MERN

It is a feature-rich platform designed to facilitate seamless communication and interaction between users in real-time along with Socket.io for real-time messaging, TailwindCSS for styling, Daisy UI for UI components, and Zustand for global state management, this project offers a comprehensive solution for modern chat applications. With features such as authentication and authorization with JWT, online user status indication, error handling, and easy deployment, the Real-Time Chat Web Application delivers an immersive and user-friendly chat experience.

● NatoursAPI – Backend RESTful API built with Node.js, Express.js and MongoDB:

Developed Restful APIs using Node.js, Express and MongoDB for seamless tour bookings. Enabled secure user authentication and role-based access controls. Implemented role-based registration, tour booking, and user feedback. Integrated secure payment methods for reliable transactions. Designed and modelled data in NoSQL database for handling diverse user needs and easy integration with front-end applications.

● FaceFind – Full Stack Face Detector Web Application built with React.js, Node.js, Express.js and PostgreSQL:

Developed a complete full stack website capable of detecting human faces in images using Deep learning model API. Implemented Highly secured login and Registration process.

● GPT3 – Multipage UI Design built with React.js and Tailwind CSS:

Developed a fully responsive web application UI built with React and React Router 6. This Web Application includes dashboard, blog pages, and much more. Ready to connect with back-end APIs to make it a full stack fully responsive web application.
