

Rabah Ali Shah

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WORK EXPERIENCE

Associate Software Engineer

Xylexa Inc. — Islamabad, Pakistan

June 2024 - Present

- Refactored monorepo codebase and built new modules, boosting maintainability.
- Developed reporting module, cutting radiologist reporting time by ~**80%**; integrated Mixpanel for time tracking.
- Automated CI/CD via Bitbucket, slashing deployments from 30 min to **5 min**.
- Enforced strict TypeScript, reducing bugs and speeding up debugging.
- Used React Query for caching, reducing load times; optimized study search, cutting latency by ~**10%**.

DevOps Fellow

Bytewise Limited — Remote

June 2024 - September 2024

- Completed an intensive DevOps fellowship, mastering CI/CD, docker and a **10+ hour** computer networking course.
- Deployed a real-world project, implementing Jenkins pipelines to automate workflows by ~**35%**.
- Collaborated with **20+** peers and mentors, gaining hands-on insights into industry best practices.

Software Engineer Intern

Xylexa Inc. — Islamabad, Pakistan

June 2023 - September 2023

- Contributed to XyCAD V3 by developing responsive UI components in React.js, used daily by **30+** radiologists.
- Contributed in XyConnect Portal (project and team management tool) from wireframing to development, accelerating feature delivery by ~**10%**
- Collaborated closely with cross-functional teams for seamless backend integration.

TECHNICAL SKILLS

Frontend: React.js, Next.js, JavaScript (ES6+), Redux, React Context API, React Query, Material-UI (MUI), Tailwind CSS, Bootstrap, HTML5, CSS3

Backend: Node.js, NestJS, Express.js, Python, Django REST Framework (DRF), MongoDB, Mongoose, PostgreSQL, JWT (JSON Web Tokens), RESTful APIs

DevOps: GitHub Actions, Bitbucket Pipelines, Docker, Virtualization, Jenkins

Tools: Git, GitHub, AI tools (ChatGPT, Cursor AI, or other LLMs), Postman, Figma, Jira, Bit bucket, Mixpanel

PROJECTS

- **useSecureLocalStorageHook – NPM Package:** Developed a TypeScript React hook for encrypted local storage; enforced strong typing, **201** weekly downloads. [Try it!](#)
- **Quick Word Definition – Chrome Extension:** Enhanced reader lookup efficiency by ~**50%** through zero tab-switching and cognitive overhead by providing instant word definitions via right-click. [Try it!](#)
- **Chat Sphere (MERN):** Built a real-time chat app with Socket.io, JWT auth, Zustand state, Tailwind UI. [GitHub](#)
- **NatoursAPI – Tour Booking API (Node.js, Express, MongoDB):** Developed secure REST APIs for Tour bookings with JWT, roles, payments; flexible NoSQL models. [GitHub!](#)

OPEN SOURCE CONTRIBUTIONS

- **Joomla/Manual:** Improved footer UI for better UX; collaborated with the community on best-practice pull requests. [GitHub!](#)
- **Plone/Volto:** Enhanced developer docs and user guides; worked with the documentation team to ensure clarity and accuracy. [GitHub!](#)

EDUCATION

National University of Science and Technology, (NUST)

H-13, Islamabad, Pakistan

Bachelor of Engineering

June 2020 - June 2024

EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- **Section Leader CIP Stanford,** Selected among **700** from **2,000+** applicants, one of only **69** from Pakistan, to lead and mentor peers on how to code and solve problems using Python.