

Krishna Alaspure

LinkedIn GitHub

Full-stack developer with 3+ years of experience delivering end-to-end web solutions and contributing to all phases of the software development life-cycle.

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SKILLS

- **Python, FastAPI, HTML, CSS, Tailwind CSS, Javascript, Typescript, React, MySQL, MongoDB, Bitbucket, Git, Gitlab, NodeJs**

EXPERIENCE

- **Infosys Ltd. Pvt.** Pune, MH
Senior System Engineer *February 2024 - Present*
 - * Developed a highly responsive data dashboard using **React** (with **AG Grid**) for complex **tabular data** rendering, connected to a **FastAPI** backend. Integrated **asynchronous API** calls via **Axios** and used AG Grid's **server-side** row model to efficiently handle large datasets from multiple third-party **REST and internal APIs**, ensuring minimal load times and smooth user interaction even with tens of thousands of rows.
 - * Implemented secure user **authentication** using **OAuth 2.0** with Authlib on the backend and **PKCE flow on the frontend**. Added **Multi-Factor Authentication (MFA)** using TOTP (Time-based One-Time Passwords) for an additional security layer. This ensured secure token handling and compliance with enterprise-grade authentication requirements.
 - * Enabled **real-time data** synchronization by integrating **Socket.IO** with FastAPI using python-socketio and **socket.io-client** in React. Users received instant updates when data rows changed, added, or were deleted, without page reloads—improving usability and reducing **backend polling** load by 40%.
 - * **Refactored state management** from React Context API to **Redux Toolkit**, improving performance and predictability. Contributed to **CI/CD pipelines** in **Azure DevOps**, integrating Azure App Services and Key Vault for **deployment** and secret management.
- **Infosys Ltd. Pvt.** Pune, MH
System Engineer *November 2021 - February 2024*
 - * Implemented new interactive features on a **data-driven dashboard** using **React**, enhancing user workflows by integrating dynamic filters, custom cell renderers in **AG Grid**, and conditional **UI components** based on user roles.
 - * **Integrated backend APIs** developed in **FastAPI** with the **React frontend** to enable seamless data flow, handling **request validation, response formatting, and error handling** to ensure robustness and reliability.
- **Infosys Ltd. Pvt.** Mysore, KA
Trainee System Engineer *June 2021 - Nov 2021*
 - * Trained in **JavaScript, Python, and SQL** at Infosys, with practical exposure to **web technologies, backend logic, and relational databases**. Gained hands-on experience through **real-time assignments**, coding exercises, and collaborative project environments. Strong understanding of **software development principles**, problem-solving techniques, and **clean coding practices**.

CERTIFICATIONS

Infosys Certified ReactJs Developer(Sept 2023)
Infosys Certified Python Developer(Oct 2023)

Infosys Certified JavaScript Developer(April 2023)
Infosys Certified Typescript Developer(Jan 2024)

EDUCATION

- **Prof Ram Meghe Institute of Technology and Research Engineering College** Amravati, MH
Bachelor of Engineering in Electronics and Telecommunication Engineering *June-2016 April-2020*