

Priyanshu Awasthi

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Growth-oriented software development engineer with **2+ years** of experience, a **strong analytical mindset** and a **passion for solving complex technical challenges to deliver scalable, high-performance solutions**. Received appreciation for the application's impactful utility that **led to its acquisition by Airbus that utilized it internally to enhance efficiency**.

Experience

Airbus, Bengaluru

Feb 2023 – Present

Software Development Engineer

- Engineered a **high-performance scheduling algorithm** for efficient resource allocation across 190+ parameters and implemented a station graph solution with yWorks to detect cyclic dependencies, **achieving $O(n \log n)$ time complexity**.
- Demonstrated full-stack development expertise, building scalable backend services with **C#, .NET Core**, and **RabbitMQ** on **AWS**, and leveraging **Angular, RxJS**, and **NgRx** for the front end. Also managed L3/L4 incident resolution and **boosted application performance by 40% through refactoring**.
- Enhanced** the shared design system used by **Angular and React teams** across Airbus, collaborating with the design system team to improve consistency and usability. Streamlined CI/CD pipelines in **Jenkins** and **automated testing with Cypress** for reliable deployments.
- Led the development of a robust material ordering application from scratch using **React, Redis, Prisma**, and **Kafka**, which reduced manual processes by 90% and optimized MSN (Aircraft) build workflows for plant workers.
- Built secure, scalable **REST APIs** supporting **SSO** login and region-based access, enabling global accessibility and enhancing user experience across multiple facilities.
- Conducted POCs with **DuckDB, Pandas** to enhance system insights, while **optimizing the end-to-end user journey** from material identification to order placement, boosting efficiency and reducing errors in the production process.

CurioEd

March 2022 – May 2022

Backend Intern

- Developed and improved backend scripts for a CRM tool using **NodeJs, React, ExpressJs** and **AppScript** enhancing system efficiency and reliability in a fast-paced startup environment.
- Simplified data pipelines and integrated multiple APIs to accelerate shipment delivery timelines, collaborating with cross-functional teams to deliver targeted insights that supported informed decision-making across departments.

Projects

Scrum Poker

[Github Repository](#) | [View Project](#)

- Spearheaded the development of an **in-house Scrum Poker tool** to facilitate Agile estimation within the team, reducing reliance on licensed third-party software. The tool, inspired by Agile practices, was fully integrated into our workflow, increasing accessibility and cost-effectiveness.
- Developed the application using **Angular, Express.js, MongoDB**, and **Socket.IO**, enabling real-time collaboration via **WebSockets**. Enhanced real-time streaming of responses with **Server-Sent Events (SSE)** and enhance request handling using AbortController.
- Incorporated iterative feedback from team members, continuously refining features like **polling and socket conversations**, resulting in a robust, smooth-running tool that effectively supports Agile processes across Airbus.

Remote Jobs Finder

[View Project](#)

- Created a React application utilizing **React Query** for efficient data fetching and caching, built with **Vite** for enhanced development speed, and managed state through **Context API** to ensure a seamless user experience and maintainable code structure.

Skills and Technologies

Languages **Typescript, Java, C#, SQL, Shell Scripting**
Frontend **Angular, React.js, Next.js, Redux**
Backend **.NET Core, .NET Core WebApi, Node.js, Express.js, FastAPI, Kafka**
Databases **MySQL, MongoDB, Redis**

Data Tools **DuckDB, Pandas, PostHog**
DevOps **Docker, Git, Jenkins**
Others **Cypress, Jest, Karma, Jasmine, PostMan, Bruno, Linux, LLMs, Socket.IO, Prisma**

Education

Graphic Era Deemed To be University

Bachelor of Technology in Computer Science and Engineering — CGPA : 9.0

Dehradun, India

July 2019 – June 2023