# Aman Pratap Singh

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## Profile Summary

Full Stack Developer with **3 years** of experience building **secure**, **scalable web apps**. Proficient in **RESTful APIs**, **database design**, and **containerized deployments**. Skilled in **CI/CD**, **performance optimization**, and **real-time systems**. Focused on **clean code**, **scalable architecture**, and **delivering robust**, **production-grade solutions.**

## Core Competencies

| | |
|---|---|
| **Languages & Frameworks:** | Python, C++, Go, JavaScript (ES6+), Node.js, Bash, Django, FastAPI, Express.js, React.js, Next.js, Fiber |
| **Databases:** | PostgreSQL, MySQL, MSSQL, MongoDB |
| **DevOps Tools:** | Docker, GitHub Actions, CI/CD, GCP, AWS, Linux CLI, Shell Scripting, Postman, Redis |
| **Concepts:** | REST API Design, JWT, OAuth2, Microservices Architecture, Data Streaming |

## Professional Experience

**Kitaabh Technologies Pvt Ltd**  *June 2024 – June 2025*
*Software Development Engineer I*

**Key Responsibilities**

- Developed and maintained 80+ RESTful APIs using FastAPI and PostgreSQL.
- Automated CI/CD pipelines using Shell scripting and Linux tools.
- Built real-time microservices for GSTR-9 filing with batch processing and data streaming.

**Key Achievements**

- **Improved backend performance by 40%** through optimized queries and async logic.
- **Launched a fault-tolerant GSTR-filing platform** with zero-downtime CI/CD pipelines.

**Dhanuka Electrotech Pvt Ltd**  *June 2023 – May 2024*
*Software Developer*

**Key Responsibilities**

- Refactored legacy code using Node.js and optimized SQL queries; integrated C++ services and secured APIs with JWT/OAuth2.
- Collaborated with frontend team to improve React.js interfaces on the Safebuddy platform.

**Key Achievements**

- **Increased throughput by 10%** by designing scalable APIs and optimizing MSSQL interactions.

- **Improved UI responsiveness and code quality** via React best practices and ESLint adoption.

**Galaxy Time Tour**                                             *May 2022 – Dec 2022*
*React.js Developer*

**Key Responsibilities**

- Integrated secure forms and email workflows using Node.js and SendGrid.

- Optimized backend workflows with secure API routing and reusable components.

**Key Achievements**

- **Reduced frontend load time by 20%** using lazy loading and performance optimization.

- **Automated booking confirmations and reduced ops effort by 90%** via SendGrid email flows.

## Projects

1. **Kitaabh – AI-Powered Accounting Platform:**
   A next-gen alternative to Tally with real-time insights and automated GSTR filing. **Reduced manual tax effort by over 60%** using Python FastAPI and PostgreSQL.

2. **Kenburn – Wagtail CMS & SSR Platform:**
   Delivered a scalable CMS using Django + Wagtail and SSR via Next.js. **Enabled multimedia publishing and social sharing** at scale for pbs.com.

3. **Safeobuddy Suite – Logistics & E-Commerce Platforms:**
   Developed and scaled multiple platforms:

   - **Enabled real-time logistics tracking and automation** with React + FastAPI.

   - **Reduced UI load time by 30%** in Safeobuddy Kids through frontend optimization.

   - **Delivered a secure, high-speed storefront** for iSafeAmerica using Next.js + Node.js + MongoDB.

## Certifications and Extra-Curricular Activities

- Data Structure and Algorithm. Devsnest

- Problem-Solving. HackerRank

- MongoDB Basics. MongoDB

## Education

**Bachelor of Technology – Computer Science & Engineering**    *June 2019 – Aug 2023*
Dr. A.P.J. Abdul Kalam Technical University (AKTU), Uttar Pradesh