AMAN KUMAR SINGH

Full Stack Developer

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SUMMARY

Full Stack Developer with 4+ years of experience building scalable enterprise and e-commerce applications. Skilled in React, Flask, Java, Python, and MongoDB, with expertise in Shopify ecosystem, GraphQL APIs, and cloud deployments. Strong record of delivering solutions that optimize performance, enhance reliability, and drive measurable business impact.

SKILLS

Languages: Java, Python, JavaScript, Rust, SQL,

Technologies: Flask, React, Tailwind, ChakraUI, Github, Postman, Google Cloud, Shopify, RestAPI, Graphql, Node JS, Data Structures, Algorithms

EXPERIENCE

2024 - Current **Full Stack Developer** THE REMOTELAB TECHNOLOGIES (Dookan.com), Czech Republic

- Developed and deployed a **Full-Stack Inventory & Cash-Tracking Dashboard** (Flask + React) used daily by operations — added advanced filters, time-based exports, and automated discrepancy alerts. Built cron jobs to **sync Shopify data into MongoDB** (GraphQL) with business-logic validations. Direct outcomes:
    1. Eliminated recurring POS cash-theft issues (multi-lakh annual losses) by making every session auditable and employee-linked.
    2. Closed accountability gaps from shared logins by enforcing per-user session logging tied to IDs.
    3. Enabled root-cause analysis by tracking all POS activity (sales, refunds, cash adjustments, inventory edits).
    4. Reduced resolution time for disputes by tracing discrepancies directly to employees.
    5. Prevented downstream failures by logging all inventory edits with rollback-ready audit trails.
- Built a unified **Product Information Management** app for product teams — automated product creation/editing with validation, auto inventory updates and field calculations; added bulk CSV imports to create hundreds of SKUs in one shot, reducing manual effort and Shopify dependency while enabling previously unsupported workflows.
- Developed two **high-performance discount engines in Rust** — a runtime engine applying collection-based discounts by cart-value bands, and a coupon-eligibility engine; both optimized for sub-ms execution in production.
- Created a **Discount Management & Scheduling** tool for membership/occasion discounts with date-based rollouts, cutting manual promo setup effort to near zero.
- Built a **Bulk Customer Tag Manager** (GraphQL) with CSV import, strict validation, batched mutations, and parallel workers — deployed on Heroku, used internally to cleanly manage tags at scale.
- Designed a **PayPal Checkout Extension** enabling PayPal at configurable cart thresholds using a "dummy tax" workaround to ensure accurate tax before checkout continuation.
- Implemented a **Custom Payment Function** restricting Cash-On-Delivery to premium members by integrating membership validation directly into the checkout flow.
- Created a **Gifts Management App** for operations to create/remove tiers, manage tier-specific gifts, and block restricted products — significantly reducing fulfillment errors.
- Delivered **Checkout Validation Rules** enforcing collection-based max quantities (stored in metafields) with an admin UI for operations to manage rules.
- Migrated critical Shopify workflows (free gifts, bundles, store features) into internal Flask+React services — improving control, validation and resilience for franchise operations.
- Added an **Admin Action Block** surfacing supplementary invoices, reducing support confusion and billing errors.
- Automated parent–bundle sync via a **Daily Cron Script** updating product metafields across stores, reducing manual reconciliation.

2021 - 2024 **React Developer** TATA CONSULTANCY SERVICES, Kolkata

- Developed and maintained enterprise-scale internal dashboards and reporting tools using React.js, improving data accessibility for business stakeholders.
- Implemented reusable UI components, form handling, and client-side validations to support large-scale business workflows.
- Integrated React frontends with RESTful APIs to fetch, display, and update real-time data from backend systems.
- Optimized rendering performance through code splitting, lazy loading, and effective state management with Redux.
- Worked in an agile environment, collaborating with cross-functional teams, participating in sprint ceremonies, and conducting peer code reviews to ensure high-quality deliverables.
- Contributed to UI enhancements and bug fixes across modules, improving usability and aligning applications with client design standards.

EDUCATION

2017 - 2021   **BACHELOR OF TECHNOLOGY (B.TECH.) - COMPUTER SCIENCE ENGINEERING**
DHANESHWAR RATH INSTITUTE OF ENGINEERING AND MANAGEMENT STUDIES

PROJECTS

React   **Google Search Engine Clone**   `https://aman7483.github.io/GoogleSearch/`
React-based search engine with modern UI and dark mode, Provides updated results, Utilizes Google Search API from Rapidapi.com, Designed using Tailwind CSS.

React   **Portfolio**   `https://aman7483.github.io/Portfolio/`
Built a dynamic personal portfolio using React and Tailwind CSS, highlighting skills and projects in a modern, engaging User Interface and dynamic footer.

CERTIFICATIONS

- **Full Stack Development Certification** - Newton School, 2023
- **Java** - Durga Software Solutions, Hyderabad, 2019
- **Web Designing** - Trisang Software Developers Pvt Ltd, 2020
- **AWS Machine Learning** - Coursera, 2020
- **Industrial IoT on Google Cloud Platform** - Coursera, 2020