Divyaditya Singh

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Professional Summary

A product-minded software engineer focused on building solutions for customer problems in production systems. Takes ownership, delivers maintainable, scalable features grounded in customer needs.

Education

Bachelor of Technology in Computer Science and Engineering   *May 2024*
Sant Longowal Institute of Engineering and Technology

Professional Experience

Software Development Engineer I   *GreenStitch — Jan 2025 – Present*

- Built a **charting abstraction on Apache ECharts** to enable consistent, reliable implementation of stacked bars, area charts, tree maps, and donuts across 10+ report types, improving developer productivity and reducing redundant work.

- Built **dynamic forms and multi-step wizards** with React Hook Form and Redux, supporting dependent fields, prefill, validation, and synchronized state across complex workflows.

- Implemented **report generation systems** producing PDFs and Excel workbooks with charts, multi-sheet structures, formatting, and support for complex data aggregations.

- Led design of **API contracts for data aggregation endpoints** (multi-dimensional queries, time-series data), defined request/response schemas, and implemented exponential backoff polling for async operations to handle long-running backend tasks.

Open Source Contributor — JSON Schema   *Dec 2023 – Present*

- Selected for **Google Summer of Code 2024** with JSON Schema, leading UI/UX improvements for the JSON Schema website tooling page, implemented advanced filtering, and integrated analytics.

- Core contributor and **Maintainer of the JSON Schema Landscape**; serve as a triage member reviewing issues and contributions.

Key Project

Toppings: Your YouTube, Your Way   enry.ch/toppings

- A customizable browser extension that gives you total control over YouTube—track playlist runtimes, fine-tune playback speed, auto-scroll Shorts, set custom seek durations using **TypeScript**, **React.js**, **Next.js**, and **Cloudflare Workers**. Read source code.

Skills

Languages: JavaScript (ES6+), TypeScript, Java, SQL
Frontend: React.js, React Router, Redux Toolkit, Redux Persist, React Hook Form, Apache ECharts, ExcelJS, jsPDF
Backend: Java Spring Boot, Node.js
Tools: Git, Webpack, Babel, ESLint, PostgreSQL, Azure Blob Storage