Ravi Kant Sharma | SDE

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LinkedIn | GitHub | LeetCode | Portfolio

EDUCATION

B. TECH (Software Engineering)	2020 – 24	Delhi Technological University, New Delhi	9.3 GPA
AISSCE/CBSE (Class XII)	2019	Hope Hall Foundation School, New Delhi	80%
AISCE/CBSE (Class X)	2017	Sunshine Prep./ High School, Muzaffarpur	10 CGPA

WORK EXPERIENCE

Amdocs | **Software Developer**   *(Aug'24 - Present)*

- *Real Time Billing Project (AT&T USA)*
  - Implemented **caching** in three Spring microservices by creating new **Couchbase** buckets with a 15-minute TTL based on request headers, improving lookup performance on some APIs.
  - Enhanced the billing simulator to support amend/cancel orders by developing dedicated **Kafka** consumers to process simulated events and publishing processed events via separate producers.
  - Added a zero-floored promotion display on bills to clearly show when promotions exceed MRC, increasing billing transparency and reducing customer support interactions.
  - Conducted 20+ feature certifications in **Postman** by designing collections with pre/post-scripts and collaborating with four cross-functional teams to rigorously validate the billing calculations of that those features.
  - Built EnvStatus, a tool integrated with an **MS Teams bot** to fetch environment status, pod versions (**OpenShift**), and automate environment allocation - improving daily scrum productivity.
- *SKY Fallout Management Project (AT&T USA)*
  - Enhanced the tech stack including **Jenkins**, **JESI**, **Kafka** and **PostgreSQL** to build a reliable, scalable fallout-handling solution that integrated multiple internal and external workspaces to migrate **1,000,000+** customers effortlessly.
  - Played a key role in developing the new SKY Migration workspace by automating dashboard updates triggered by specific Kafka events and implementing custom handling for auto/manual fallout ticket resolution.
  - Expanded the Wireless Migration workspace with 30+ new error codes and mapped resolutions to streamline fallout processing and significantly reduce operational delays.

QuickReel | 🔗 | **Software Developer Intern**   *(Feb'23 - Apr'23)*

- Developed a full-stack AI-based automatic video editing website to generate social media ready short clips.
- Integrated **Stripe** payment strategy to get, renew, cancel and manage the monthly and annual subscriptions.
- Wrote several API endpoints to process and save the video to **AWS S3** server and **MongoDB**. Used **React** with **Redux** for state management in the frontend and containerized the backend server using **Docker**.
- Optimized backend processing time from **30 mins to 45 secs** and reduced server-side bandwidth decay up to **85%.**
- Created a web-based video player with customized control options for video playback and added **OAuth** login.

PROJECTS

TreeWeaver | 🔗 | Next.js, React, TailwindCSS, ShadCN UI, TypeScript

- Built an interactive drag-and-drop family tree builder with node linking, relationship management, and auto-layout.
- Enabled export to PNG/PDF and import/export via JSON; integrated client-side image uploads and customization options.
- Designed a dynamic UI supporting hierarchical trees, multiple spouses, and real-time relationship detection.

Bharat Rescue | 🔗 | MERN, Redux, Filebase, Docker, Azure

- A centralized disaster response force system consisting of admin and staff for different rescue centers across the nation.
- Key Features: Locate nearest rescue center, Coordination among centers, Save-Search rescue detail, Inform NCC Cadets.
- Integrated JWT authentication, RESTful APIs, IPFS, MongoDB for storage, deployed dockerized container on Azure.

ACHIEVEMENTS

- Jumpstart Hackathon - 🔗 Finalist (Ranked **top 5%** among **29,509** participants)
- Solved **900+** questions on LeetCode. Earned the Golden Annual Badge**,** awarded to the top 0.2% globally.

TOOLS AND TECHNOLOGIES

Computer Fundamentals	Object-Oriented Programming, Operating Systems, DBMS, Computer Networks
Languages	Java, C++, Python, JavaScript, TypeScript, SQL, HTML/CSS
Database	MongoDB, MySQL, PostgreSQL, Couchbase
Libraries/Frameworks	Spring Boot, React, Next.js, Node.js, Express, Flask,
DevOps	AWS, Azure, Docker, Jenkins, OpenShift, Git, CI/CD Pipeline
Tools/Concepts	Kafka, Swagger, Postman, REST APIs
Certificates	Spring Boot + Kafka, Swagger, Jenkins, MERN + Redux,

EXTRA CURRICULAR ACTIVITIES

Volunteer Leader – Amdocs CSR, Gurugram: Spearheaded monthly CSR initiatives across the AT&T vertical, developed an automated system for book collection and donation for charity book-stall drive raising ₹80,000+, helping establish a library for underprivileged.