Tushar Sharma

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PROFESSIONAL SUMMARY

Software Engineer with hands-on experience in programming and a strong commitment to advancing software development skills. Eager to contribute to a dynamic team while leveraging a foundational understanding of core computer science principles. Quick to learn new technologies and tools, ready to utilize and enhance coding and problem-solving abilities to succeed in this role.

WORK HISTORY

Salescode.ai - **Software Engineer**
08/2024 - Current

- Implemented scalable architecture and optimized front-end performance, resulting in faster load times and a smoother user experience across key modules.
- Collaborated with cross-functional teams to integrate backend services and enhance API functionality, improving data accuracy and reducing processing delays.
- Optimized data pipelines and indexing strategies in Elasticsearch to ensure high-performance querying and retrieval of large-scale sales data.

PROJECTS

Go-Shell | *Go*
- Built a custom Unix-like shell in Golang, supporting built-in commands, piping, I/O redirection, and command history for enhanced terminal functionality.
- Gained hands-on experience in systems programming, process management, and terminal input handling by developing a fully functional CLI environment.
- Utilized Go's os/exec, bufio, and concurrency primitives to execute and manage system processes efficiently.

Blogs | *Next.js, Tailwind, Firebase*
- Developed a responsive blogging platform using Next.js and Tailwind CSS, enabling writers to publish and share articles, essays, and opinions seamlessly.
- Integrated Firebase for real-time database operations and user authentication via OAuth, managing user and article data across two structured collections.
- Implemented dynamic routing, data fetching, and scalable UI components to enhance performance, user engagement, and overall content management experience.

EDUCATION

Expected in 07/2025
Guru Tegh Bahadur Institute of Technology
New Delhi

B.Tech: Information Technology

SKILLS

- **Languages:** Java, Go, SQL, JavaScript
- **Frameworks/Libraries:** Spring Boot, Gin, GORM, React
- **Databases/Storage:** PostgreSQL, Elasticsearch, Redis
- **Data & Analytics:** Elasticsearch Aggregations, KPI Computation, Real-time Pipelines
- **Soft Skills:** Problem Solving, Collaboration, Performance Tuning
- **Tooling & Workflow:** Git, GitHub, Postman, Docker, GitHub Releases, Agile/Scrum

CERTIFICATIONS

- **Advanced React**
  https://www.coursera.org/account/accomplishments/certificate/W49Z9H97EJK6
- **Principles of UI/UX**
  https://www.coursera.org/account/accomplishments/certificate/ME4N2UC8CPUN
- **Version Control**
  https://www.coursera.org/account/accomplishments/certificate/W69GUB2WUTBD
- **Next.js and React**
  https://www.udemy.com/certificate/UC-6f54033b-d134-41e9-ac67-3d115ea5da3b