Kanishk Singh

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EXPERIENCE

Software Developer   June 2023 – Present
STARTWITH BASICX   *Jaipur, India*
- Develop and maintain React/Express/Node.js web apps with **500k+ users**
- Handle multiple **app deployment** on a single Tomcat server, **load balancing**, **reverse proxying**
- Automated deployment using **CI/CD** pipelines
- Worked with international clients in US and Australian time-zones.

Software Engineer   Mar 2022 – May 2023
Government of Delhi   *New Delhi, India*
- Independently developed a comprehensive application for the efficient tracking and management of MLA Local Area Development (LAD) funds, leveraging **Django and React**
- Architected a **secure and efficient** backend with Django, ensuring robust data processing capabilities
- Crafted a **responsive and intuitive** frontend using React, significantly **improving user interaction** and **accessibility**
- Enhanced fund management transparency and operational efficiency through **innovative** software **solutions**
- Demonstrated proficiency in creating **scalable**, high- performance web applications, contributing significantly to **impactful** and civic-oriented software development projects

Frontend Developer   Mar 2021 – Feb 2022
StudySmarter   *London, United Kingdom*
- Achieved an **80% reduction in platform load times** by writing efficient code in React
- Rewrite and maintain multiple React components for better **maintainability and readability**, using **abstraction and DRY principles**
- Elevated internal editing platform performance and UX, receiving appreciation from the internal team

PROJECTS

SociaLite ↗ | *React, Node.js, MongoDB, Express, Material UI*
- Make (add/remove) friends, share photos and other media, chat with friends, engage with other people's posts
- Enjoy the app in **dark and light theme** modes
- **Secure password** storage (hashing with SHA256 algorithm)
- Conditional routing, route protection, Redux, Redux-persist, HTML sanitization
- Backend deployed on **AWS** EC2, **Cybersecurity (DDoS protection, SSL/TLS encryption, WAF)** with Cloudflare, **CI/CD automation** through GitHub Actions

YelpCamp ↗ | *MERN stack - MongoDB, Express, ReactJS, Node.js*
- **Full stack** web app with **CRUD** operations for campgrounds, reviews, and users
- In-house **authentication logic** for user signup/login, email verification, and user permissions
- Secure password storage with **password encryption** using SHA256 algorithm
- **Security features** such as HTML sanitization, strict content security policy (CSP) etc
- Integration of **external APIs/libraries** such as MapBox, and Cloudinary (cloud-based image/video management)

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL, GraphQL, HTML/CSS
Frameworks: React, Next.js, Node.js, Django, Nginx, Tailwind CSS
Developer Tools: Git, Docker, MongoDB, PostgreSQL, Postman, AWS, Cloudflare, GitHub Actions, Jest
Libraries: Express.js, Redux, JQuery

EDUCATION

Aston University   Birmingham, United Kingdom
Master of Science in Business Analytics   *Jan 2021 – Jan 2022*

SRM Institute of Science and Technology   Chennai, India
Btech in Automotive Engineering   *Aug 2016 – Jul 2020*