Kanishk Singh

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EXPERIENCE

Co-founder   Nov 2024 – Present
Datamind Labs Pvt Ltd   *Jaipur, India*

- Co-founded a SaaS startup with the vision of delivering **AI-driven analytics** to businesses through a **natural language bot** with function calling and an interactive **dashboard**, enabling data-driven decision-making.
- Spearheaded the **end-to-end product development**, architecting and engineering a scalable, high-performance system from the ground up.
- Designed and developed a robust **backend infrastructure** supporting advanced **analytics, authentication, role-based access control (RBAC), APIs, database management**, and **caching**, iterating between **Django** and **FastAPI** for optimal performance.
- Engineered a sleek and intuitive **frontend** featuring a high-converting **landing page**, secure **authentication**, dynamic **dashboards**, and comprehensive **organization and team management** for onboarded clients.
- Deployed and scaled the platform using **AWS Elastic Beanstalk, EC2**, and managed databases via **RDS**, ensuring high availability and reliability.
- Implemented **end-to-end testing** and **CI/CD pipelines**, automating deployments and ensuring a seamless development workflow.
- Led **business development efforts**, actively engaging in **client acquisition** and strategic partnerships to drive adoption and revenue growth.

Software Engineer   Mar 2024 – Nov 2024
Neosoft Technologies   *Pune, India*

- Engineered and optimized mission-critical logistics and financial systems for one of India's largest cargo service providers, ensuring seamless nationwide operations.
- Designed and deployed **high-impact features at a pan-India scale**, enhancing operational efficiency across thousands of delivery hubs.
- Collaborated with the **last-mile team** to develop an enhanced tracking system for lost and/or returned packages, improving package resolution efficiency.
- Partnered with the **finance team** to architect a robust and scalable financial recovery system for lost packages, safeguarding revenue and enhancing accountability.
- Developed **high-performance, fault-tolerant data pipelines** to safely ingest, process, and persist **millions of financial records**, ensuring transactional integrity and accuracy.
- Optimized database interactions and query performance in **PostgreSQL**, leveraging indexing, partitioning, and query tuning to handle large-scale financial data.
- Built and deployed containerized microservices using **Node.js, Vue.js, PostgreSQL, and Docker**, ensuring high availability, scalability, and maintainability of critical logistics applications.

Software Developer   Sep 2022 – Mar 2024
STARTWITH BASICX   *Jaipur, India*

- Designed, developed, and maintained high-traffic **React/Express/Node.js/TypeScript** web applications serving **500,000+ users**, ensuring exceptional scalability, performance, and system resilience.
- Orchestrated the **deployment of multiple Express applications** on a single Tomcat server, implementing **load balancing, reverse proxying**, and advanced request routing to maximize efficiency and reliability.
- Spearheaded fully automated deployment pipelines using **CI/CD**, reducing release cycles by **40%** and enhancing deployment reliability through rigorous testing and monitoring.
- Collaborated seamlessly with **international clients across U.S. and Australian time zones**, delivering high-impact solutions while maintaining operational excellence across distributed teams.
- Independently designed and engineered a **comprehensive fund management system**, optimizing tracking and allocation efficiency by **30%** with a cutting-edge **Django, React, and TypeScript** architecture.
- Architected a **highly secure, efficient, and scalable backend** with **Django**, leveraging optimized data structures and concurrency strategies to ensure superior performance.
- Developed a **responsive, accessible, and user-centric frontend** using **React**, enhancing engagement and usability by **25%** through intuitive UI/UX design and state management best practices.

- Delivered **enterprise-grade, high-performance** web applications, leveraging industry-leading patterns and **innovative software solutions** to drive transparency, automation, and operational excellence.

Frontend Developer
Feb 2022 – Aug 2022

StudySmarter
London, United Kingdom

- Worked on a **rich text editing platform** for the Content team, empowering them to create **well-structured, SEO-optimized** articles with enhanced efficiency and ease.
- 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

Technical Skills

Programming Languages: JavaScript, TypeScript, Python, SQL, GraphQL, HTML/CSS
Frameworks & Libraries: React, Next.js, Node.js, Express.js, Django, Nginx, Tailwind CSS, Redux, jQuery
Databases & Storage: PostgreSQL, MongoDB, SQLite, Redis
DevOps & Cloud: AWS (EC2, RDS, S3, Elastic Beanstalk), Cloudflare (WAF, DDoS Protection), Docker, Nginx
Developer Tools: Git, GitHub Actions, Postman, Jest, CI/CD Pipelines, WebSockets, RESTful APIs

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