Muskan Singhal

muskansinghal112@gmail.com   —   +91 6397431157

linkedin.com/in/muskan-singhal-7b5009178   —   github.com/muskansinghall

Summary

Full-Stack Engineer with **3+ years of experience** building scalable web and mobile applications. Strong expertise in React, Node.js, and Python, with hands-on experience in cloud-native deployments, performance optimization, and data-intensive systems. Proven experience integrating AI-powered features into production systems while owning end-to-end feature delivery.

Core Skills

- **Frontend:** ReactJS, Next.js, React Native, Redux, Material UI, TailwindCSS
- **Backend:** Node.js, Express.js, FastAPI, Go, Python
- **Databases:** PostgreSQL, MongoDB, MySQL, Redis
- **DevOps/Monitoring:** Docker, AWS, GCP, ElasticSearch, Prometheus, Grafana, Kibana, Fluentbit
- **AI/Integrations:** LangChain, OpenAI APIs, MCP Tools, Vector Databases
- **Tools & Others:** Git, Serverless Framework, REST APIs, WebSockets

Experience

Tantiv4 Technologies   Jul 2022 – Present
Full Stack Developer – Bangalore

- **Owned end-to-end development** of a customer analytics platform using **ReactJS, Node.js, MongoDB, AWS Lambda**, enabling actionable insights for a financial services client.
- **Mobile Application Development**: Contributed to the development of a cross-platform mobile application for the credit card company using React Native.
- Engineered **Python-based ML features** for IoT devices to classify machine power sources, achieving **95% accuracy** in production scenarios.
- Developed major frontend and backend modules for an **Element Management System (EMS)**, used to manage and monitor large-scale UBR devices.
- Integrated **Google Maps JavaScript APIs** within the EMS to visualize device locations and real-time connectivity, and implemented a **threshold-based alarm system** using InfluxDB alerts and MongoDB change streams.
- Developed SNMP polling pipelines in **Go**, efficiently fetching **60+ device parameters every 5 minutes** at scale.
- Built a centralized **log analysis platform** (Fluentbit + ElasticSearch + Kibana) with a natural-language MCP layer, reducing troubleshooting time by **40%**.
- Spearheaded frontend development for a **Cloud Network Management System (CNMS)** using ReactJS and Material UI. Designed and implemented a **reusable dynamic DataTable component** with customizable actions, now used across **50% of the application UI**, significantly reducing development time.
- Engineered **LLM-based integrations** using LibreChat and custom MCP servers, leveraging GCP, MongoDB Atlas vector indexes, and Grafana for observability.
- Built and customized an end-to-end **WordPress-based learning platform** (theschoolofyou.in), integrating LMS functionality, Razorpay payments, and custom workflows tailored to business needs.
- Took ownership of frontend development for a **cross-platform React Native mobile application** (Android & iOS), implementing Stripe payment integration, QR code scanning, and gift code sharing features.

Newgen Software Technologies Ltd.   Jan 2022 – May 2022
Software Developer Trainee – Noida

- Trained in Java Swing, PostgreSQL, and enterprise-grade proprietary platforms.

Education

B.Tech in Information Technology – BIET Jhansi (2018–2022)   CGPA: 8.02

Certificates

- Infosys Certified Programmer
- Python – ICT Academy IIT Kanpur
- SQL Basics – HackerRank
- Tantiv4 Top Performing Employee (multiple quarters)