MANOJ KUMAR SINGH

E4-105, SNN Raj Serenity, Begure Road, Bengaluru-560068

+91-8828065906 | singhmanoj8253@gmail.com | LinkedIn Profile

PROFESSIONAL SUMMARY

Highly experienced Engineering Manager with expertise in fullstack development, cloud infrastructure, DevOps, and leadership. Skilled in managing cross-functional teams, designing scalable solutions, optimizing CI/CD pipelines, and collaborating with stakeholders. Proficient in modern technologies such as JavaScript (React, Redux, Node.js), AWS, Kubernetes, and Azure pipelines. Proven track record of delivering complex projects, improving system performance, and streamlining processes.

PROFESSIONAL EXPERIENCE

Engineering Manager

Tesco - Bengaluru, India | Oct 2023 - Sept 2024

- Led a 12-member team to manage frontend, backend, and infrastructure tasks for the online grocery division, using React, microfrontend architecture, Next.js, and Webpack.
- · Migrated CI/CD processes from Jenkins to Azure pipelines, improving deployment efficiency and system reliability.
- · Implemented scalable solutions on AWS, including EKS clusters, RDS, IAM, and user management policies.
- · Collaborated with product managers and stakeholders to align technical solutions with business objectives.
- Provided mentorship and technical guidance to team members, fostering a high-performance culture.

Key Achievements:

- · Reduced deployment time by 30% through Azure pipeline optimizations.
- Enhanced system performance by leading frontend code improvements and data integration efforts.

Engineering Manager

Daloopa - Bengaluru, India | April 2021 - Oct 2023

- Directed fullstack development using technologies like Node.js, Express.js, React, and Redux.
- Established CI/CD pipelines with GitHub CI and Kubernetes (EKS), streamlining deployments.
- Built a data platform UI from scratch for real-time order and user journey monitoring.
- Implemented Apache Airflow with Python for job scheduling and data analytics.

Key Achievements:

- Improved operational efficiency by 25% with the introduction of real-time analytics platforms.
- Spearheaded cost optimization strategies, reducing AWS expenditure by 15%.

Software Technical Lead

Medlife - Bengaluru, India | Feb 2020 - Jan 2021

- · Led fullstack development projects using Node.js, React, and MongoDB for Medlife's order processing system.
- Developed microservices and dashboards for internal applications, integrating SSO/IAM for secure user authentication.

Senior Software Engineer

Walmart - Bengaluru, India | Oct 2017 - Feb 2020

- Developed microservices and frontend features using React, Express.js, and MongoDB for Walmart's logistics and supply chain systems.
- Built an inventory reconciliation dashboard and contributed to improving order processing systems.
- Worked on multiple POCs under Supply chain tech. e.g. built centralized swagger doc for all microservices.
- Migrated order-processing client to walmart cloud platform Oneops.

Senior Developer

Lendingkart - Bengaluru, India | Jan 2017 - Oct 2017

- Designed and implemented fullstack applications using React, Redux, and Express.js.
- Built APIs and UIs for lender dashboards and marketplace apps.
- Created Online Application form for application of Loan and integrated NSDL apis in nodejs layer for Pan detail verification.

Software Developer

IndustryBuying.com – New Delhi, India | April 2016 – Dec 2016

• Worked on a consumer-facing app using Django and React, implementing BFF architecture for optimized data aggregation.

Software Developer

• Developed backend in Node.js and MongoDB, and frontend using React and Express.js for server-side rendering.

Associate Software Developer

Accenture - Bengaluru, India | Oct 2013 - March 2015

• Built hybrid apps using SAPUI5, HTML5, and Cordova for mobile platforms. Integrated REST APIs for connecting with SAP systems.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science and Engineering

Vellore Institute of Technology, Tamil Nadu – July 2009 to June 2013 CGPA: 8.06/10

TECHNICAL SKILLS

- Programming Languages: JavaScript, Node.js (Express.js), Python, Django
- Frontend Technologies: React.js, Redux, Angular, Next.js, HTML5, CSS3, jQuery
- Backend Technologies: Node.js, Express.js, MongoDB, Prisma ORM
- DevOps & Cloud: AWS (EKS, RDS, IAM), Kubernetes, Jenkins, Azure Pipelines, Docker
- CI/CD Tools: Git, GitHub CI, Jenkins
- Databases: MongoDB, MySQL, Redis
- Project Management: Agile, Scrum, Jira, Confluence
- Tools: WebStorm, VSCode, Miro

CERTIFICATIONS

- AWS Certified Solutions Architect
- Certified Kubernetes Administrator (CKA)

KEYWORDS

Engineering Manager, Fullstack Development, React.js, Node.js, Kubernetes, AWS, CI/CD, Azure Pipelines, Jenkins, Microservices, DevOps, Backend for Frontend (BFF), Cloud Infrastructure, MongoDB, Express.js, Microfrontend, Agile, Docker, GitHub CI, EKS