

SURYAMANI KUMAR

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MERN STACK DEVELOPER | DEVOPS

Pune, India

SUMMARY

Experienced MERN Stack Developer and DevOps Engineer. I am skilled in AWS, Kubernetes, Jenkins, Docker, Ansible, Terraform, and Grafana. Proven ability in automating workflows, optimizing cloud infrastructure, and managing seamless application deployment. Committed to driving Continuous Integration and Continuous Delivery in dynamic environments. Eager to apply technical skills to contribute to team success

EDUCATION

Vellore Institute of Technology

B.Tech Computer Science and Engineering
2020 – 2024

SKILLS

- Frontend:** HTML, CSS, JavaScript, React.js, Redux Toolkit, Bootstrap
- Backend:** NodeJS, Express, MongoDB, MySQL
- Tools:** visual Studio code, postman
- Fundamentals:** Data Structures, Computer Networks, SDLC
- Design:** Figma
- Container Platform:** Docker, postman-docker
- CICD Pipelines:** Jenkins, Gitlab
- Container Orchestration:** Kubernetes
- Infrastructure:** Terraform, Ansible
- Monitoring:** Grafana, Prometheus
- Version Control:** Git, GitHub
- Platform:** AWS, Cloud

CERTIFICATIONS

- IIT Bombay Certified Web Development
- ETHANUS Certified MERN Full Stack
- Google Certified Bits and Bytes of Computer Networking

EXPERIENCE

Software Developer

Applus Idiada | Feb 2024 – Present

- Containerized the application** using Docker and Docker-compose, and pushed images to DockerHub for versioning.
- Set up a **Kubernetes cluster using kubernetes** for automated management, scaling, and deployment of the application.
- Deployed the application on **AWS EKS using eksctl** for enhanced fault tolerance.
- Packaged Kubernetes manifest files using **Helm** for simplified deployment on AWS EKS.
- Ensured a **multi-node cluster setup** for high availability and used a Load Balancer for efficient traffic distribution.
- Achieved an improvement in the application's scalability to handle more than **10,000 concurrent users**.
- Reduced application downtime using AWS managed Elastic Kubernetes Service (EKS).

PROJECT

Modern Library Management App (MERN STACK)

Jun 2023 – Aug 2023

Developed an intuitive library management web application with real-time tracking and automated fine calculation, enhancing resource management and user experience.

- Constructed** a user-centric library management web application, enhancing user engagement and operational efficiency.
- Devised** an organized and efficient book catalog, facilitating streamlined management and quick access.
- Optimized** the process of book issuance and returns, reducing processing time and enhancing user satisfaction.
- Developed** an intuitive book request system equipped with real-time tracking, increasing transparency and user engagement.
- Implemented** a comprehensive search functionality for books by title and author, enhancing accessibility and user experience.
- Enabled** historical tracking, providing valuable insights into user interactions and enhancing overall system transparency.