Abdhesh Nayak

Software Engineer

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Full-Stack Engineer with expertise in cloud-native applications, Kubernetes, and scalable web development. Proven track record in delivering optimized solutions and contributing to open-source projects.

TECHNICAL SKILLS

Languages: Golang, Typescript, JavaScript, Python, Java, C/C++, SQL
Frameworks: Next.js, Remix, Express, Gitlab CI/CD,
Databases: MongoDB, MySQL, PostgreSQL, Redis, Kafka, NATS.io
DevOps Tools: Kubernetes, Docker, Git, GitLab CI/CD, Github Actions, Taskfile, Make
Libraries: React, TailwindCSS
Operating Systems: GNU/Linux, Windows, macOS

EXPERIENCE

Software Engineer   Jan. 2022 – Present
Kloudlite.io - OpenSource Development Environment and Workspaces   *Bangalore, Karnataka*
- Designed and deployed a WireGuard operator for Kubernetes, automating secure server-client setups and enhancing VPN functionality.
- Developed Cluster Operator to automate Kubernetes cluster management, including autoscaling of worker nodes based on workload demands.
- Architected multi-cloud Kubernetes support, integrating regions, node pools, and traffic management for optimal scalability and reliability.
- Expanded Kloudlite UI with complex features like auth systems, dashboards, and account management using Remix.Run, React, TailwindCSS.

Software Engineer   Feb. 2021 – Dec. 2021
Plaxonic Technology   *Noida, Uttar Pradesh*
- Built an automated check formatting/printing system, reducing manual processing time by 30%.
- Developed COVID-19 facility management system for Kangra government, leveraging React.js, Material-UI, and MongoDB to handle critical data and patient management.
- Engineered a mail automation system using Node.js and React.js, enhancing communications and reducing manual errors by 50%.
- Contributed to CI/CD pipeline development across multiple projects, using Kubernetes, Docker, and GitLab CI/CD for consistent deployment.

PROJECTS

Kloudlite Platform | kloudlite.io – **OpenSource**   Aug. 2021 – Present
- Tech-stack: *Golang, Kubernetes, Nats.io, Helm, Next.js, GraphQL, GRPC*
- Built a cloud-native platform for seamless deployment and development.
- Developed UI and CLI for streamlined functionality and user experience.
- Integrated GraphQL and WebSocket for real-time data synchronization across applications.

OneQR Digital Visiting Card | oneqr.me – **Personal Project**   Jun. 2024 – Present
- Tech-stack: *Next.js, TailwindCSS, Golang, NATS.io, MongoDB, GraphQL, Firebase*
- Created a digital visiting card platform to replace traditional cards, focusing on user experience and accessibility.

Typing Guru | typing-guru.com – **Personal Project**   May 2021 – Present
- Tech-stack: *Next.js, Java backend, C++*
- Developed a typing improvement platform with interactive lessons, progress tracking, and real-time performance analysis.

EDUCATION

Amritsar College Of Engineering And Technology   Amritsar, Punjab
Bachelor of Technology in Information Technology   *Jun. 2017 – Jun. 2021*