LOKESH MISHRA

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TECHNICAL SKILLS

Languages: Python, C++, Golang, JavaScript, NodeJS, Solidity, SQL
Technologies: CI/CD, CloudFormation, AWS services, Docker, Jenkins, Ansible, Linux, Shell, Web3, Git, Bitbucket
Frameworks: Cloud Computing, DevOps, IaC, Automation, Kubernetes, RESTful API, Networking, Security, Blockchain

EXPERIENCE

CISCO   **Jan'23 – Present**
Software Engineer II   *Bangalore - Hybrid*
- Worked across multiple public clouds **(AWS, GCP, Azure)**, focusing on autoscaling clusters, dual-arm setups, multi-AZ support for **greater resilience** and **fault tolerance** while troubleshooting complex networking issues
- Optimized **CI/CD** pipelines through a **redesign** focused on **object-oriented** methodologies, achieving a **60% reduction** in deployment time and enhancing overall cloud deployment efficiency
- Led comprehensive testing efforts for **AWS IMDSv2** integration across ASAv, FTDv, and FMCv, overseeing both manual and automated processes to deliver essential hotfixes promptly under tight deadlines.
- Designed **one-click script** for AWS and GCP that automated the **end-to-end deployment** of Cisco ASAv & FTDv, **reducing deployment time by 70%** compared to manual deployment

Prodigal AI   **Oct'21 – May'22**
MERN stack and Blockchain Developer   *Remote*
- Developed an **NFT Marketplace** and automated NFT smart contract creation, **lowering deployment time by 50%**
- Extracted and analyzed already deployed smart contract details on the blockchain network, using **Web3.js**
- Gained hands-on experience with **L2 solutions** and **cross-chain bridging**, contributing to improved transaction efficiency and network interoperability

PROJECTS

Sound Slice | *Python, AWS EKS, Docker, Kubernetes, Helm, IaC*   **Oct'24**
- Deployed a **microservices architecture** on AWS EKS, managing auth-server, converter-module, database-server, and notification-server, resulting in a **30% increase** in deployment speed and enhanced service modularity.
- Configured AWS EKS infrastructure (IAM roles, node groups, security settings), **achieving 99.9% uptime** through optimized scalability and secure resource isolation.
- Integrated RabbitMQ and Helm for messaging queues and deployment management, implementing manifest files to streamline **microservices deployment time by 25%** and ensuring **100% cluster validation** success rate

GoConnect | *Go, PostgreSQL, Redis, GCP, JWT, Jenkins, RESTful API, CI/CD*   **Sep'24**
- Built a production-level **Go REST API** for a social media platform with core **CRUD** functionalities, user feed, and **dynamic filtering, sorting, and pagination** using the **Repository pattern** for maintainable code.
- Integrated secure **authentication**, role-based **authorization**, **Redis** caching, and rate limiting to optimize performance and enhance user experience.
- HealthAutomated **CI/CD** deployment, integrated **CORS** handling, comprehensive testing and **GCP** server logging with email notifications for reliable, robust and seamless operation.
- Utilized optimistic **concurrency** control and **transactions** for data integrity in **high traffic** conditions.

Health Hub - Decentralized Healthcare Solution | *Web3, NextJS, Solidity, Mocha, Metamask Rinkeby*   **Oct'22**
- Developed an **Ethereum-based Dapp** connecting healthcare stakeholders (e.g., Insurance, Doctors Patients) on a transparent, scalable blockchain.
- Built the front-end with **Next.js** and integrated **Web3** for seamless **MetaMask** transactions, enabling secure data sharing.
- Wrote and tested Solidity **smart contracts** with Mocha, ensuring reliable functionality, deployed on Rinkeby for real-world validation.

LEADERSHIP / AWARDS & ACHIEVEMENTS

Harmony, Hackathon   **Jan'22**
- Secured **12th place globally** in a crypto hackathon by developing a decentralized healthcare solution.

Spark-21, ISA-VIT   **May'21**
- **Runner-up** in a hackathon with **1200+** participants by developing an Ethereum-based full stack Dapp

Software Associate (Board Member), IEEE-RAS VIT   **Dec'20**
- Led and managed all technical events and operations for IEEE-RAS VIT, including maintaining and updating the chapter's website from hosting events to content updates.

EDUCATION

Computer Science Engineering, Vellore Institute of Technology   **Jul'19 – Jul'23**
Bachelor of Technology in Computer Science | CGPA 9.09   *Vellore, India*