



# SUKHIL NAIR


Software Developer


## About Me

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An experienced professional seeking a DevOps engineer role. Certified in RHCE (Red Hat 7) and CCNA. Proficient in AWS, Linux servers, Kubernetes, Grafana, Concourse, cloud management, and networking.

## Professional Skills

- Proficient in Linux system administration and command-line tools.
- Skilled in Shell Scripting, Perl, Python, and Golang programming.
- Possesses extensive knowledge and experience with Docker, Docker containers, and Docker Compose.
- Experienced with Kubernetes, K9S, and Helm.
- Experienced in using Prometheus and Grafana for monitoring and visualization.
- Proficient with Concourse CI and Fly CLI.
- Capable of project troubleshooting and managing end-to-end implementations from scratch.
- Well-versed in AWS services, including S3, EC2, IAM, VPC, and Route 53.
- Experienced in utilizing Terraform for infrastructure as code.

## Experience

### Software Developer

#### Eagle Eye Networks, Bangalore

November 2023 – Present

- Designed and implemented a CI/CD pipeline with Concourse Fly, reducing deployment time by 40% and facilitating the release of 6 major updates in the first quarter.
- Managed Docker orchestration using Kubernetes, overseeing 4 microservices and achieving a 95.0% uptime.
- Created and deployed 4 microservices in Golang, enhancing system scalability by 30%.
- Built a monitoring dashboard with Prometheus and Grafana, reducing incident response time by 40% and improving system visibility.

### Team Lead, Application Engineer

#### Eagle Eye Networks, Bangalore

September 2021 – November 2023

- Automated foundational software installation and Docker container management with shell scripts, halving setup time.
- Crafted scripts to monitor storage and system usage, automating data clearance to minimize downtime.
- Introduced backup management scripts, improving data recovery speed by 70%.
- Maintained GPU servers with a 99.5% uptime, ensuring high availability.
- Wrote shell scripts to troubleshoot and resolve issues in LPR, people analytics, and Docker daemon, reducing troubleshooting time by 60%.
- Implemented temporary features in LPR/People Analytics software using shell and Python scripts, accelerating feature deployment by 40%.

- Deployed ANPR and people detection software across 50+ remote edge compute devices, boosting real-time processing capabilities.
- Addressed and resolved software issues on remote devices, cutting system downtime by 80%.
- Collaborated with development teams and clients to optimize application performance, enhancing user satisfaction by 80%.
- Diagnosed application errors and escalated critical issues, improving resolution efficiency and reducing response time by 50%.

## Projects

Project: CloudLPR

APP Role: Software Developer

Tech Stack: Kubernetes, Docker, Linux, Github, Concourse fly, Grafana, Cloud, Python, GoLang

Description: CloudLPR is a cloud-based License Plate Recognition (LPR) system that leverages advanced machine learning and computer vision technologies to identify and process vehicle license plates. The system is designed to provide real-time recognition and data analytics capabilities, enhancing security and efficiency in various applications such as parking management, law enforcement, and toll collection. As a software developer on the CloudLPR team, I contributed to the development and deployment of scalable microservices, and implemented robust monitoring and logging solutions to ensure system reliability and performance. Additionally, I collaborated with cross-functional teams to integrate CloudLPR with external APIs and data sources, enhancing its functionality and user experience.

## Education

<b>DIPLOMA IN COMPUTER HARDWARE ENGINEERING</b> IHRD model polytechnic college Vadakara, Calicut, Kerala	Graduated, April 2019	CGPA: 7.6
<b>INTERMEDIATE, COMPUTER SCIENCE</b> Government higher secondary school Sivapuram, Calicut, Kerala	Graduated, March 2015	Percentage:70.5%
<b>HIGH SCHOOL,SSLC</b> Ilahiya higher secondary school Kappad,Calicut,Kerala	Graduated, March 2013	Percentage:85%

## Training and Certifications

- DevOps, Herovired- Present
- Certified security analyst, REDTEAM hacker academy,2019
- CCNA (R&S), Propulsion Systems Calicut,2019
- RHCE 7 , Propulsion Systems Calicut,2019