

# Sudharshan K S

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## SKILLS

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- **Languages:** Python3, Go(Beginner)
- **Frameworks:** Flask, Django(Beginner)
- **Technologies:** Apache httpd, ModSecurity, Docker, Elastic Stack, Ansible, Git, PagerDuty, Rundeck, pfSense, OpenVPN, AWS (EC2, S3, VPC, IAM, EBS, Route53), Hashicorp Vault, CI/CD, Packer, Terraform

## EXPERIENCE

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- **Perfios Software Solutions Pvt. Ltd. Bangalore, IN** **Jul 2019 - Present**  
*Python3, Linux, Ansible, Elastic Stack, Vault, AWS, ModSecurity* *DevOps*
  - **Principal Software Development Engineer** **Apr 2022 - Present:**
    - Automated the infrastructure provisioning using **Packer** and **Terraform** reducing the provision time by *80%*.
    - Scaled the web application firewall system to handle *10* times the load.
  - **Senior Software Development Engineer** **Apr 2021 - Mar 2022:**
    - Built a scalable and cost effective web application firewall system using **Apache httpd** and automated deployment using CI/CD reducing the downtime by *95%*.
    - Introduced secret management system - Hashicorp **Vault** and educated the internal teams on the ways to integrate with their products.
    - Worked on the **AWS** cost optimisation, established best practices and automated the process, reducing the monthly costs by *25%*.
    - Owned, scaled and managed multiple infrastructure used by internal teams maintaining set SLA's.
    - **Dockerised** Vault, Minio and Redis clusters reducing the cost by *40%*.
  - **Software Development Engineer** **Jul 2019 - Mar 2021:**
    - Built a monitoring system in **Python** reducing the identification and resolution of incident TAT by *75%*. The system is Highly Available with the capability to self monitor.
    - Built a secure, cost effective backup-restoration system in **Python** reducing the storage cost by *98%*.
    - Played an instrumental role in the adoption of **Elastic Stack**. Demonstrated to the internal teams the correlation of logs reducing the analysis time by *half*.
    - Established early warning alerting mechanisms for critical internal and external systems to proactively identify issues before they even happen. Increasing the uptime by *30%*.

## PROJECTS

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- **Payslip Parser** **Using : Python3, NLP:**  
Built a global parser which understands any payslip, extracts and validates relevant information from it.
- **MLCRP - Machine Learning for Crop Prediction** **Using : Python, Django:**  
Predict the suitable crop based on soil, weather and market prices using ANN and time series analysis.

## EDUCATION

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- **Dayananda Sagar College of Engineering (CGPA: 9.61)** 2015 – 2019  
*Bachelor of Engineering in Computer Science* *Visvesvaraya Technological University*
- **Sri Kumaran Childrens Home Composite Junior College (%: 96.83)** 2013 – 2015  
*Pre-University* *Karnataka Board*
- **Vijaya High School (%: 98.08)** 2012 – 2013  
*Matriculation* *Karnataka Board*