

# Santhosh Kulasekar

## Principal Software Engineer

---

### Santhosh Kulasekar

Cumming, GA

+1-678-982-3194

santhosh.mk@gmail.com

---

---

### Summary

- 16 years Experience in the technology industry, with experience in different roles ranging from developer, architect and lead roles.
- Led team in migrating to AWS/Azure for production application with CI/CD using Jenkins / Azure Devops. Setup complete development workflow, design and implementation of cloud infrastructure and CI/CD pipeline.
- Pioneered the implementation of IaaS using **terraform** for Cloud / Devops team and eventually across the organization by offering pre-built modules for customers.
- **Led the** cloud transformation efforts for modernizing Enterprise Devops platform. Transformed the enterprise devops tools from traditional deployments to container based applications on **Azure Kubernetes, Helm**

---

### Languages and Technologies

Java, Nodejs, Python, AWS, Azure, Terraform, Kubernetes, CI/CD using Jenkins/Azure Devops, Elastic

---

---

### Experience

---

#### Markel / Principal Software Engineer

March 2019 - PRESENT, Remote

- **Led the** cloud transformation efforts for modernizing Enterprise Devops platform. Transformed the enterprise devops tools from traditional deployments to container based applications on **Azure Kubernetes**.
- Established SDLC workflows using devops tools for multifaceted development teams across the globe.
- Implemented Elastic Monitoring for AKS cluster for logs and cluster monitoring.
- IaaS practice evangelist, helping teams design and deploy their solutions to the cloud using Terraform. Published TF modules for customer consumption.
- Implemented Security and Compliance in Azure enforcing Corporate Security and EISP standards using tags.

## **Cablelabs / Lead Engineer**

Feb 2011 - March 2019, Hybrid (Atlanta, GA)

- As a Lead Engineer, the responsibilities included, exploring and researching newer technologies that could be brought into the implementations of new applications. Design and architect development workflow, CI/CD pipeline using Custom Jenkins configuration or TravisCI. Maintain coding guidelines using lint, pep8. Setup Kanban boards using Zenhub/Trello to establish a consistent development workflow.
- Product development using Node.JS, MongoDB, Docker, AWS, ECS, Asible. Implemented an entire CI/CD pipeline, AWS infrastructure from ground up with custom EC2 instances configured to run docker containers. EC2 load balancers are set up to auto scale based on load needs. Distributed system deployment in multiple zones for failover scenarios. Built an entire mongo cluster on ec2 for use with the application using mongo auth and setup certs between clusters for maximum security.
- Implemented POC's using React, Vue.JS, Polymer and microservices. Implemented an implementation of using Auth0

## **John Deere / Senior Software Engineer (Contract)**

Feb 2008 - Feb 2011, Alpharetta, GA

- Developed a logistics application for the agriculture industry using JAVA technologies like Spring Framework 2.5 / 3.0 MVC based development of controllers and view
- Mobile App development for Windows devices to work with the backend scheduling system.

---

## **Education**

---

### **PSG College of Technology / MSc. Software Engineering**

2000 - 2005. MSc. Software Engineering

Did my integrated masters in Software Engineering with 1 year in the industry for Internships ( 2 X 6 months)