



<https://www.linkedin.com/in/prajwal-gurumurthy/>



<https://prajwalgurumurthy.github.io/>



<https://github.com/PrajwalGurumurthy>

PRAJWAL GURUMURTHY

Software Engineer 2

CISCO Systems , Bangalore, India

Email: prajwalg91@gmail.com

Phone: +919036857356

Career Objective:

Contribute in the pursuit of building intelligent machines that simplifies our lives meanwhile get the essence of computing.

Career Highlights:

- Agile software engineer with expertise in designing, developing and maintaining **cloud ready enterprise applications** based on **Microservice Architecture**.
- Developed micro services for control plane in Cisco **Infinite Video Platform**.
- Developed a **OAuth2 based Cloud Security** strategy for multitenant micro services using **JWTs**
- Successfully delivered the [TataSKY Video Everywhere](#) Android application which is used by 10 million subscribers in India.
- Developer and administrator of DevOps infra and **CI/CD** pipeline.
- Designed and developed Behaviour Driven Development tests, Level 2 functional and performance tests into CI/CD pipelines which significantly improved the test frameworks and deliveries.
- As a Technical Product Owner Co-ordinated the development of microservices across geographically separated teams.
- Lead the development of RPIL Subscriber management microservice which enabled on boarding existing customers to use the new Infinite Video Platform along with legacy system.
- Developed a domain debugging solution “**Tracelight**” to debug the video domain use cases.
- Certified **Machine Learning Engineer** from a non-credit course authorised by **Stanford University** offered through Coursera.
- Embraced the **Blog as You Code** approach to inculcate the habit of writing blogs about the problems that I solve as a way to test my understanding.[prajwalgurumurthy.github.io]
- Was renowned for **simplicity** in giving many training on distributed technologies and fostering the culture of explaining things in simple words.(#UnJargon)

Technical Profile:

OOP	Java, J2EE
Cloud Technologies	Cassandra, Elastic, RabbitMQ, Couchbase, NGINX, Redis, RxJava, Microservices
DevOps Orchestration	Docker, Openstack HEAT Templates, Kubernetes, Jenkins, Openshift
Frameworks	Spring, Spring-Cloud, Spring-Boot
Client Application Development	Android, Android NDK, Android ADK
Version Control	GIT and SVM
Machine Learning	Regression, Classification, Anomaly Detection, Collaborative filtering, Feed forward Neural Networks , RNN, CNN, Policy Networks
Machine Learning Tools	Octave

Projects and Career Profile



Cisco Video Technologies Private India Limited, Bengaluru, Karnataka, India:

Cisco Video Technologies is a global video guard and video platform solution division under Cloud Solutions of CISCO systems for video service providers.

DevOps & Microservices:

Technologies: Spring, Cassandra, Elastic, Openstack HOT, RabbitMQ, kubernetes, Couchbase, Docker

Customers: Tatasky(Ind), Kabel Deushland (Germany), sky(NZ), Verizon

Roles: Developer, Technical Lead, Technical Product Owner

Highlights:

- Designed and implemented an efficient distributed cloud based schema for tachyon.
- Lead & Developed a fully scalable, secure, multi-tenant and operation friendly VOD and content metadata micro service using reactive programming.
- Developed the Tenant Configuration, Job Manager & Scheduler micro-service for the Cisco Infinite Content Factory.
- Integrated **ELK** and **Zipkin** into IVP to ease the tracing of transactions in IVP.
- Developed the entire **CICD** pipeline for microservices using openshift.
- Developed a domain debugging solution “**Tracelight**” to debug the domain use cases.
- Technical Lead for RPIL Subscriber management microservice which enabled on boarding existing customers to use the new Infinite Video Platform along with legacy system
- Interacting with product management to understand the customer requirements and accordingly create and prioritise product backlog for the scrum team.

Personal Projects:

The far-flung applications of Machine Learning got me to tinker with the beast.

- Regression[Linear regression]: **Food Truck Profit Prediction**
- Classification [SVM, NN, Logistic]: **University Admission Classification, Digit Classification, Spam Classification**
- Clustering[K-Means]: **Image Compression**
- Dimensionality Reduction [PCA]: **Dimensionality reduction on Face images**
- Collaborative Filtering Models [Recommendation]: **Movies Recommendation**
- Sequence Learning[RNN]: “**Hello World**” next char prediction using octave
- Policy Networks[Reinforcement Learning]: Learn policy to play **PingPong Game in openAI Gym**

Academic Profile & Certifications

- Graduated in Bachelor of Engineering in Computer Science from Sri Jayachamarajendra College of Engineering, Mysore. [2012] with an aggregate of 9.1 CGPA
- Completed Certification of [Machine Learning by Andrew NG](#) from [StanfordOnline](#) with 95.7%.
- Certified Scrum Product Owner offered by Scrum Alliance