**[](https://www.coursera.org/account/accomplishments/verify/L7CQ2Y89YK7M) PRAJWAL GURUMURTHY**

**Software Development Engineer 3**

 **Tesco Technologies, Bengaluru, India**

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As much as I enjoy seeing the API platform handle failures gracefully, recover itself and manage the crisis, I also huddle with the team to learn from the mistakes and grow personally and professionally.

**Career Highlights:**

* Architect with apt experience in building cloud native API Platforms with a proven record of delivering business critical API platform powering tesco business.
* Currently I am managing the Tesco Fulfilment platform as a principal architect for Tesco Marketplace initiative.
* I have lead major initiatives in transforming tesco online and retail technology stack to offer omni channel experience to our customers with domain expertise in building end to end service interactions.
* I have created impact by mentoring and grooming talent pool with many initiatives across TESCO and CISCO.
* I have learnt the art of using the right tool for the task which gives the highest value.
* Conflict management , critical decision making, crisis handling are becoming the norm and necessity with my career progression.
* Templating and creating wire frameworks for improving engineering efficiency in the teams.[[r-Mat](https://prajwalgurumurthy.github.io/2022/03/24/resiliencymatrix/)]
* Was renowned for simplicity in giving many training on distributed technologies and fostering the culture of explaining things in simple words.(#UnJargon)

**Key Areas:**

* Cloud Native Applications
* Distributed systems
* Transactional APIs that power critical business requirements

**Technical Profile:**

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| --- | --- |
| **Programming Languages** | Java, Python |
| **Cloud Technologies** | Cassandra, Kafka ,Elastic, RabbitMQ, Couchbase, Redis, Kubernetes, ISTIO, APIGEE, AWS, OAuth |
| **Frameworks** | Spring, Spring-Cloud, Spring-Boot, Spring Reactor |
| **Client Application Development** | Android, Android NDK, Android ADK |
| **Version Control** | GIT and SVM |
| **Machine Learning** | Regression, Classification, Anomaly Detection,  Collaborative filtering, Neural Networks , RNN, CNN, Policy Networks, Word2Vec |
| **Machine Learning Tools** | Octave |

**Projects and Career Profile**

**Tesco Technologies Private Limited, Bengaluru, Karnataka, India : [2018 - Present Day]**

**Roles** : SDE3/PSDE in Customer order and Order fulfilment platform to power new TESCO omni channel mission.

**Highlights:**

**Technologies:** Spring, Couchbase , Elastic, Kubernetes, ISTIO, AWS, APIGEE, Redis, Splunk, Prometheus

Currently managing the fulfilment platform for Marketplace program as a principal architect. Built the Customer order platform ground up right from handling the first order to 1million orders per day.

* Switch to new enterprise fulfilment stack from legacy with no glitch to existing picking and delivery operations, platform to handle ~40k tps.
* High resiliency design in place to ensure timely delivery of orders and payment
* Split Order into relevant Fulfilment orders based on sourcing logic, feeds order data into picking and transport for picking and delivery optimization.
* Key contributor to TESCO shared platform for sharing reusable libraries.[Distributed transaction manager, effective-log-utils, Istio service mesh, DOSA for IAC, resiliency Matrix]
* Concurrency and Idempotent design in place for request handling in event consumers and APIs to recover from partial domain transaction failures.
* Clear Monitoring and tracing solutions for both business and platform debugging.
* Automated event workflows with both control and error channels to ensure fluent order journeys across multiple sub systems including Customer order, Pricing , Picking, payment and Transport service.

** Cisco Video Technologies Private India Limited, Bengaluru, Karnataka, India: [2012 - 2018]**

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

**Highlights:**

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

**Roles:** Developer, Technical Lead, Technical Product Owner

* Designed and implemented an efficient distributed cloud based API platform for Content metadata management.[Ingestion of metadata, cleansing, organising, indexing, storing to delivery of data at scale]
* Designed and lead the search service [Index and Query] for personalised video search and filtering use cases using elastic search and machine learning.

**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](https://www.coursera.org/account/accomplishments/verify/L7CQ2Y89YK7M) from [StanfordOnline](http://coursera.org/verify/L7CQ2Y89YK7M) with 95.7%.
* Certified Scrum Product Owner offered by Scrum Alliance