**MANIDHAR MULAGAPAKA**

Milpitas, CA, USA 95035 | (213) 551-4370 | [manidhar98@gmail.com](mailto:manidhar98@gmail.com) |[LinkedIn](https://in.linkedin.com/in/manidhar-mulagapaka) |[Github](https://github.com/mulagapa)

**EDUCATION** 

| **University of Southern California**, Master of Science in Computer Science | **MAY 2023** |
| --- | --- |
| **B. V. Raju Institute of Technology**, Bachelor of Technology in Computer Science Engineering | **APR 2019** |

**TECHNICAL SKILLS**

**Programming Languages:** Java, Python, Golang, JavaScript, TypeScript, Swift, C#, C++, HTML5, CSS,

**Technologies:** Spring Boot, React, Redux, Django, Flask, NodeJS, REST ]]]]API, Kafka, Spark, Selenium, Junit, gRPC, JSON, XML

**Databases:** SQL (MySQL, Postgres, SQLite), NoSQL (MongoDB), Cassandra, Redis

**Networking & Tools:** HTTP 2, HTTPS, TCP/IP, UDP, OAuth, GIT, Gerrit, JIRA, Jenkins, Kubernetes, Docker, AWS, GCP

**EXPERIENCE** 

| **Software Development Engineer – Intern | SailPoint** | **JUN 2022-AUG 2022** |
| --- | --- |

* Developed SailPoint connector for PagerDuty using **TypeScript** to manage and process over **30000 requests**
* Built a highly scalable multi command pipelinefor SailPoint CLI, resulting in **20%** increase in customer utilization.
* Tech Stack: **Golang, TypeScript, Next.js, Elasticsearch, Kibana, Jest, REST APIs**

| **Software Engineer II | Workspan** | **MAY 2020-AUG 2021** |
| --- | --- |

* Extended the functionality of the Workspan SDK, resulting in a **90%** increase in adoption rates across teams
* Developed a highly scalable microservice to process and convert **500GB of CRM data** into Workspan objects resulting in a **60%** reduction in data processing time
* Spearheaded the data migration effort from **GCP MySQL** to **Cassandra** within the Workspan platform, resulting in reduction of system response time by **30%**
* Automated a policy-based system to create CRM business objects, resulting in a **75%** decrease in processing time
* Built REST APIs to streamline the updation of **10,000+ CRM components** achieving a **2x** performance speed up
* Tech Stack: **Java, Spring Boot, Python, Cassandra, Redis, gRPC, REST APIs, Kafka, Swagger, React, Junit**

| **Software Engineer I | Coviam** | **JUL 2019-MAY 2020** |
| --- | --- |

* Devised a **Pub sub** method using **Kafka** to create JIRA tickets from 1000+ Google Firebase data events resulting in a **50%** decrease in hotfix time across web and mobile modules for Blibli (e-commerce site)
* Enhanced **Espresso** automation testing framework to support **Page Object Model** for Blibli android app, to increase complex test-driven development scenarios coverage by 60% and overall test suite coverage by 30%.
* Optimized **Address Book** component for the Blibli mobile application, by introducing caching layer resulting in a **30%** improvement in response time and decrease in network bandwidth.
* Engineered the **Phone Exchange** component for Blibli application resulting in a highly engaging UI.
* Tech Stack: **Java, Spring Boot, Junit, Maven, REST APIs, MySQL, Espresso**

| **Software Engineer – Student Worker | USC** | **SEP 2022-MAY 2023** |
| --- | --- |

* Designed a **Flask, React** Full Stack application leveraging **SQLAlchemy** ORM extension for **PostgreSQL** queries
* Built robust **Jenkins** deployment pipeline for continuous integration and deployment of **Docker** application on **K8s**
* Tech Stack: **Python, Flask, React.js, Redux, SQLAlchemy, REST APIS, MySQL, EKS, Docker, Kubernetes**

**ACADEMIC PROJECTS**

**Background Foreground Panorama Analysis** Java, Python, U2-net, Java Swing, Java AWT

* Developed a novel video generation project utilizing U2-Net for background-foreground panorama analysis, including motion compensation and macroblock detection.

**Image Compression** Java, Java Swing, Java AWT

* Developed a Java Discrete Wavelet Transform-based image compression and decompression application with GUI support for showcasing compression and decompression operations.

**Weather App** React, Redux, Java Script, Spring Boot, Java

* Developed an innovative weather forecasting website utilizing Google geocoding API to accurately detect the user's current location and allowing user to add up to 5 cities as favorites.

**LEADERSHIP & AWARDS**

* Mentored interns and guided them on various projects.
* Received Engineer of the Quarter Award for my contributions on CRM Integrations.