

AARIB A

U.S. Citizen

(949) 426-8727 - aaribamira@gmail.com

linkedin.com/in/aarib-a/ & github.com/Aarib-A

Here is a summary of my accomplishments. Created microservices using Docker and orchestrated them in Kubernetes. Microservices capable from authentication to video uploading and streaming, secure data retrieval, data cleaning and filtering. Implemented solutions to make a system more scalable, robust, and refactorable. My areas of interests are Web Application Development, System Design, and DevOps. Current tools/skills:

Python 3	-	Flask	-	Docker	-	Kubernetes		
ReactJS	-	JavaScript	-	AJAX	-	Bash		
Redis	-	MongoDB	-	RabbitMQ	-	SQL Server	-	Elasticsearch
Git	-	GitLab	-	GitHub	-	Back-End Engineering	-	Power BI
MPEG-DASH	-	JSON	-	Microservices	-	Software Design		

RELEVANT EXPERIENCE

Analyst, Software Engineer – Raytheon Technologies, Remote

08/2020 - present

- Developing MRP Analytics Web App (ASP.NET), outputting varying KPIs and modifiable entries for client feedback and tracking. Resulting in plant-sites being aligned to their goals and predict outcomes and trajectory. And created data analytics using Power BI.
- Created Python microservice API to import data for analytics by different departments and plant-sites.
- Crafted the API to be adaptable to the extent that it can discover databases on a server given a host name, discover tables and its columns; built in such a decoupled fashion where it can adapt to any SQL Server, making it robust and easy to use (Docker + Kubernetes).

Software Architect & Engineer – Shadow Stream, Remote

06/2020 - present

- Designed and implemented microservices for authentication, video upload, and video-streaming. Built with scalability and concepts of distributed systems in mind.
- Incorporated RabbitMQ (message-queue) for asynchronous tasks, for example listening/consuming python program reading the location of saved video and converting it into stream-able media/files (utilizing FFMPEG) to be used over MGPEG-DASH protocol.
- Using MongoDB for indexing capabilities for faster querying and ease of data design.
- Implemented Full-text search API using Python and Elasticsearch.
- Developed Front-End in React, made comment section components and video components capable of receiving video streams of varying qualities (DashJS, ReactJS Hooks).
- Created python microservices (flask instances & RabbitMQ consumers) in Docker and orchestrated them in Kubernetes, leveraging its scaling, self-healing, and volume binding functionality.

EDUCATION

Computer Science B.S. – California State University, Fullerton

Aug 2016 - May 2020