

# VASANTH MAHENDRAN

Software Engineer



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Brentwood, CA

## PROFESSIONAL SUMMARY

Seasoned Software Engineer with a robust history at Object Edge Technologies, adept in redesigning customer experiences and digitalizing ecommerce experience. Excel leveraging Java and java script to modernize e-commerce architectures, evidenced by successful platform migrations and payment solution overhauls. Demonstrates strong problem-solving abilities and a commitment to technological excellence.

## EXPERIENCE

### PROGRAMMER ANALYST, CALIFORNIA

Object Edge Technologies Pvt. Ltd., July 2017–Present

- Redesigned Customer Identity Management using Akamai and improved the customer experience by implementing Single Sign-on across multiple platforms for the business. Built Integration to receive CIAM updates and update customer profiles using JMS Rabbit queue.
- Migrated business platform built on ATG to modern architecture by making ATG into headless application with React as front end with content management system in contentful.
- Redesigned the payment solution using CyberSource for tokenizing and authorizing the credit card when customer completes purchase and customized the purchase experience for improving the security in the credit card transaction to adhere the UK's FCA mandate on 3DS.
- Designed an ETL tool for syndicating the huge volume of commerce data (orders, customers) of size 10+millions from commerce system to business intelligence system.
- Redesigned the existing product catalog into bundles, added price functionality and checkout experience for the same.
- Designed and implemented composable microservice architecture for retail commerce sites which expose commerce assets like catalog, cart which are secure, resilient, scalable using Spring Netflix and OAuth. Also dockerized the commerce infrastructure which involves Docker container for several systems.
- Designed and digitalized reseller ecommerce business which involves integrations between product data management (oracle), commerce platform (oracle), price engine (oracle). Designed product catalog for huge catalog which involves 5+ million catalog, 10000+ hierarchical categories. Powerful ETL tool to process huge product data from sellers every day and feed into product data management system. This also involves combining and cleansing the data using python and data frames.
- Designed and dockerized an ETL tool for migrating commerce data of size 5+ million from ATG commerce system to commercetools which is run as workflow in GCP with automated CI/CD pipeline.
- Integrated Salesforce B2b site with Google Analytics to provide purchase analytics for the Stakeholders.

### PROGRAMMER ANALYST - INTERN, CALIFORNIA

Object Edge Technologies Pvt. Ltd., May 2016–December 2016

- Designed/Implemented an innovative tool to help commerce marketing. Tool enables marketers to design hero banner image dynamically and promote it live to the commerce site on fly.
- Solution has REACT based UI interface to design hero banner dynamically and node express application which

process hero banner image manipulation using open-source node packages and persist the content in CDN for fast retrieval and uses Mongo DB to persist the metadata for the contents.

- Infrastructure for it is hosted in AWS with Docker containers.

## **SOFTWARE ENGINEER, CHENNAI**

Wipro Technologies Pvt. Ltd., June 2011–May 2015

- Designed and developed Maestro Scheduler job which runs periodically to download a large carrier data XML file from TMS which is a unified place for carrier data like TWC, Comcast using FTP Protocol and process XML to insert the data into Database which is further required by Client Application to work on it.
- Maintained E-commerce web application which is built in ATG - an Ecommerce Framework for famous US Retail store.
- Some of my contributions are image catalog implementation using AJAX and jQuery in product details page of the website and refactor of the frequently accessed web pages like product details page to reduce the time to load.
- Contributed to transformation project to decouple client website from ATG suite.
- As part of it, we have implemented some of the pages in client website using WICKET.
- Maintained client web service which bridges carriers (like AT&T, TWC) web services and client application.
- I have contributed to extending this web service which is built in SOAP to bridge with carrier web services which is built in REST. Web service translates XML based on the XSLT.
- Worked in Agile Environment continuously delivering the deliverables every two weeks.

## **EDUCATION**

### **M.S. IN COMPUTER SCIENCE, ARLINGTON**

University of Texas at Arlington, January 2017

### **BACHELOR OF ENGINEERING IN COMPUTER SCIENCE, CHENNAI, India**

Anna University, January 2011

## **WEBSITE, PORTFOLIO AND PROFILES**

<https://www.linkedin.com/in/vasanthmahendran/>

## **CERTIFICATIONS**

- Salesforce Admin
- Salesforce Developer I
- Salesforce App Developer
- Salesforce Developer II

## **SKILLS**

Database Management (MYSQL, POSTGRES, Mongo, Redis), Enterprise Ecommerce Platform (commercetools, oracle ATG, OCC, Salesforce), Payment Integration (Stripe, CyberSource), Content Management (contentful), commerce Search (Algolia, elastic search), Big Data management (Hadoop), UX (JS, React), Cloud Infrastructure management (AWS, Azure)