

MAHESH KUMAAR BALAJI

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EDUCATION

Master of Science (M.S.) in Computer Science and Engineering

Santa Clara University, California.

Sep 2023 - Present

CGPA: 2.8/4

- ❖ **Courses Taken:** Software Engineering, Software QA and Testing, Computer Networks.

Bachelor of Technology (B.Tech.) in Information Technology

SSN College of Engineering, Tamil Nadu.

Year of passing: 2018

CGPA: 3.25/4

- ❖ **Courses Taken:** Computer Architecture, Service Oriented Architecture, Data Structures.

EXPERIENCE

Senior Consultant at LTIMindtree

June 2018 – July 2023

- ❖ Developed custom **SharePoint On-Premises** workflow using **.NET Framework** and **Graph API**, to automate the processing of customer invoices received over email and create subsequent transactions in SQL Server. This application was deployed in 12 countries across Europe and North America, to process ~1M invoices each month.
- ❖ Developed **SharePoint On-Premises dashboard** to allow customers of UK and North America to manage their customer statements, track if statements have been sent out to the customer and maintain activity logs for each statement.
- ❖ Developed hybrid automation solution using **Power Automate** to archive original invoices as per EU data regulations, to a local SharePoint Online site located within Europe.
- ❖ Led the efforts to upgrade 120 ETL processes developed in **SQL Server Integration Services (SSIS)**, from SQL Server 2012 to SQL Server 2019 in 1 month.
- ❖ Employed **Failure Mode and Effect Analysis (FMEA)** model to identify high risk ETL processes based on 3 factors – Impact, Occurrence & Detection, analyzed the root cause and implemented solutions to mitigate these risks.

NodeJS Developer Intern at Zolvit

June 2017- July 2017

- ❖ Prepared web scraping scripts in **NodeJS**, that extracts details of legal proceedings asynchronously from several high court websites and stores them in **MongoDB** collections.
- ❖ Developed an administrator portal using React to control data sections visible on the central user application. The portal allows support staff to hide certain data sections in times of court holidays or during absence of court proceedings.

TECHNICAL SKILLS

- ❖ **Languages:** C#, HTML, CSS, JavaScript, jQuery, Bootstrap, SQL, Node Js, PHP.
- ❖ **Technologies:** Microsoft Azure, Power Apps, Power Automate, SharePoint, SQL Server Integration Services (SSIS).
- ❖ **Databases:** Microsoft SQL Server, Postgresql, MongoDB.

CERTIFICATIONS

- ❖ Microsoft Certified Azure Fundamentals – Issued **Oct 2020**
- ❖ NPTEL Certified for Modern Application Development – Issued **Sep 2016**

ACADEMIC PROJECTS

Passport Automation System using PHP and MySQL

Aug 2017 - Nov 2017

- ❖ A web application that was built to simplify the process of applying for a passport by eliminating the need for manual forms and any resources needed for reviewing them. The application replaced the manual forms with an online form to get the applicant details.
- ❖ Once the details were submitted, it would be routed through 3 levels of review. Upon completion of the review process, the user would be prompted to make payment in the application and once successful, passport delivery would be initiated.
- ❖ Separate portals were available for each actor involved namely Applicant, Regional Administrator, Passport Officer and Police.
- ❖ The GitHub repository for the project can be found here - [Passport Automation System](#).