

**CAREER OBJECTIVE:**

Experienced software developer with over 5 years of experience in both healthcare and automotive electronics, seeking a challenging role in the technology industry, utilizing my expertise in Java, C#, ASP .Net Core, RPA, Python, and cloud technologies to design and develop innovative software solutions that drive efficiency and productivity.

**PROFESSIONAL SUMMARY:**

- 5 yrs. Of professional Experience in IT, Health Care and Automotive Electronics Industry with strong Knowledge of Software design and development.
- Proficient knowledge of automating healthcare insurance processes.
- I gained experience during my internship at KUMC on Ionic framework and angular for front end development of mobile application for oncology patient's financial support.
- I also worked on .Net Core for developing the API services for oncology support mobile applications at KUMC.
- As a certified Workfusion RPA developer, I have worked with TCS on numerous automation projects within the healthcare industry using the Workfusion RPA tool, with the goal of minimizing manual labor.
- I possess experience as a core Java developer, with expertise in developing and testing Java-based applications.
- As part of my training project at TCS, I utilized MVC, JDBC, HTML, JavaScript, and CSS to develop a basic banking application.
- As part of my graduation course work, I developed a Microservices based java project to create web application for Art Exhibition management system.
- I worked on ASP .Net Core and developing a web application for providing better library services as part of my graduate course work final project.
- I gained Hands-on experience of database management using SQL and Microsoft's Server Management Studio (SSMS).
- As part of my graduation course work, I developed UML analysis and design models like use case specifications and realizations for restaurant management system.
- Experience in Automotive domain's Advanced Driver Assistance Systems (ADAS) initiatives incorporating Machine Learning (ML) and Deep Learning (DL) technologies.
- Building proof-of-concept demos to show off the features and benefits of the products.
- Published paper in Springer Conference Proceedings about my thesis work, in the field of Vehicle Communication used for collision avoidance.
- Extensive experience with requirement gathering, development, enhancement, testing and Production Support of application projects.

- Experienced working in SDLC, Agile/Scrum methodology and implement agile practices for testing.
- Proven ability to support multiple projects, under tight deadlines with competing priorities.
- Good interpersonal skills, communication skills, result-oriented, hard-working as a team player, and individual contributor.
- Naturally structured, diligent, self-motivated.

#### EXPERIENCE SUMMARY:

- Currently Working with **KUMC** (University of Kansas Medical Center) as Software Engineering Intern from 21<sup>st</sup> August 2023.
- Worked with **TATA CONSULTANCY SERVICES** as Systems Engineer from March 16th, 2017, to June 30<sup>th</sup>, 2022.

#### EDUCATIONAL QUALIFICATION:

- MS in Computer Information Systems and Information Technology (2022-2023)
- M. Tech in Automotive electronics (2019 - 2021)
- B. Tech in electronic and instrumentation engineering (2013 - 2016)
- Diploma in applied electronics and instrumentation engineering (2010 - 2013).

#### TECHNICAL SKILLS:

Programming Language : Java, C# .Net, SQL, Python, JavaScript, C++, Selenium, HTML, Angular framework.

Development Tools : Visio, Visual Studio, Visual Studio Code, SSMS, Azure, Eclipse, MatLab, RPA Workfusion, RPA Automation Anywhere.

- Hands-on experience with OOPS Concepts, SQL, Automation, Machine Learning and Deep Learning.
- Hands-on experience with Microsoft Visio to create software systems analysis and design models in UML.
- Hands on experience with ASP .Net Core MVC architecture, and Java Programming language.
- Familiar with GIT HUB commands, AGILE Methodology.

#### CERTIFICATIONS:

- Automation Anywhere Certified Advanced RPA Professional
- Workfusion RPA Developer
- UiPath RPA developer foundation training and UiPath orchestrator.

#### PROJECT EXPERIENCE #1:

**Employer** : University of Kansas Medical Center.  
**Role** : Software Engineer (Intern)

**Project Title** : ONCO-NET application for oncology patients support.  
**Duration** : AUG 2023 to DEC 2023

**Description:**

ONCO-NET application is developed to support Oncology patients by providing necessary information about resources they need. Information was presented based on patient's medical background and financial status, matching them with resources like affordable treatment options, federal benefits, housing, and food resources etc.

**Responsibilities:**

- Understand business requirement to create survey pages on mobile application for data gathering.
- Develop user interface of ONCO-NET mobile application using Ionic framework and Angular framework.
- Develop API's for reading patient survey information and storing it on database using C#.Net code on Visual Studio.
- Create and maintain the database model to handle patient's information.
- Design database model and create tables to manage patient information using SQL queries on SSMS.
- Need to maintain the code repository on GIT HUB with regular synchronization to master branch after code review.
- Code Maintenance using GIT.

**PROJECT EXPERIENCE #2:**

**Client** : TCS and Stellantis (Vehicles Manufacturing Group).  
**Role** : Junior Functional Architect for Electric Vehicle.  
**Project Title** : Electric Vehicle Electronic systems Architecture.  
**Duration** : From JULY 2019 to June 2022

**Description:**

Driver assistive features of a Car is designed based on regulations and requirements of the clients. These features are different for cars based on cost range and market trends. Aim is to Provide Functional architecture, components analysis, validation, and functional safety testing analysis for car ADAS models. It involves analyzing the data recorded during vehicle simulation to determine safety statistics.

**Responsibilities:**

- Work on data extraction and Machine Learning models using python language to analyze the vehicle simulation data.
- Manage the data on Database using SQL queries.
- Simulate the vehicle models on SUMO and OMNeT++ simulators.
- Understand the features and specifications of each car variant.
- Study and design electronic systems functionality.

- Contributing to new product definition, from concept to full specification.
- Functional updates to match market requirements and regulations.
- Documentation of detailed reports on system architecture.
- Tracking and capturing new features or updates.
- Work with other systems engineers and design groups to establish the correct features in each sub-system to achieve the overall product goal.

### PROJECT EXPERIENCE #3:

<b>Client</b>	:	Humana, A well know insurance provider in US.
<b>Role</b>	:	Team Member (Developer)
<b>Project Title</b>	:	REPORT CREATION AUTOMATION (Development)
<b>Duration</b>	:	JULY 2018 to JULY 2019

#### Description:

Claims processing statistics are presented to the Clients. These statistics are calculated based on various business requirements, like percentage of claims processed, rejected, pending, etc. These are calculated daily, weekly, monthly, etc. This manual excel work is automated.

#### Responsibilities:

- Client interactions to gather claim statistical requirements.
- Develop code in core java to automate Excel operations, calculate statistics.
- Handle BOTs in Workfusion control tower, like Business process creation, Scheduling, etc.

### PROJECT EXPERIENCE #4:

<b>Client</b>	:	Humana, A well know insurance provider in US.
<b>Role</b>	:	Team Member (Developer)
<b>Project Title</b>	:	CLAIM PROCESSING AUTOMATION.
<b>Duration</b>	:	SEP 2017 to JUNE 2018

#### Description:

Health insurance Claims manually processed according to business criteria by agents. BOTS (Software robots) are developed to automate the process. Bot must perform tasks like switching between environments (web, desktop, etc...) to fetch claim related data and validate the claim.

#### Responsibilities:

- Understand business requirement to replicate agent (Human) work in BOTs.
- Develop code for business rules to process claims in core java.
- Develop BOTs to fetch and fill data in web application using selenium web driver.
- Develop code to handle desktop application using Auto IT script.
- Integrate Code in Maven project structure.
- Handled Change requests to accommodate new business requirements.
- Code Maintenance using GIT.