

# SASWATH KUMAR PANIGRAHI

## SOFTWARE ENGINEER

Innovative software engineer with two years of experience in the full software development life cycle – from concept through delivery of next-generation applications and customizable solutions

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### PROFESSIONAL EXPERIENCE

System Engineer-  
Tata Consultancy Services  
November 2020 to Present

- Experience in designing the web pages using Javascript, Html, Css using React.
- Experience in Unit testing of the individual code components using React libraries, jest and enzyme.
- Experienced in code compilation and integration of the UI code with the services provided from Back-end.
- Thorough knowledge and experience in Front-End technologies like Javascript, HTML,CSS, React.
- Thorough knowledge and experience in React Framework like Redux
- Used Source code management client tools like Git and GitHub.
- Used Package Managers like NPM.
- Having Knowledge about SonarQube and Visual code studio IDE
- Good interaction with co-developers, managers, and team members to coordinate job tasks and strong commitment to work
- Documented daily meetings, build reports, release notes and many other day-to-day documentation and status reports.
- Experience in Supporting Team while our project is in production stage

### SKILLS

- OS: Windows, Linux
- Mark up language:HTML5
- Tools:HFSS, Origin, VHDL
- Style sheet language: CSS3, Saas, Bootstrap
- Programming languages: C, Javascript, Python
- IDE: VS code, MATLAB
- White box testing: React Libraries.Jest and Enzyme
- Framework and Libraries: Redact/Redux
- Soft-skills: Creative Thinking, collaboration, Adaptability, Logical reasoning

### RESPONSIBILITIES

- Project mainly focuses on migration of data from Mainframe to Cloud
- Involved in day-to-day operations of developing the web pages
- Understanding the functionality of the Web page and writing the functionalities using Javascript and React Libraries in VS code IDE
- Checking the Mainframe to get a deep knowledge about the behaviour of the screen in order to migrate the data into cloud
- Using Bootstrap in order to make the page Responsive
- Testing the source code using React libraries, Jest and Enzyme by Mocking up the data for various sections of the code
- Using MSAL in order to provide the security to Web pages
- Designed reports with different views as per the design document
- Supported the existing reports and also worked on the requests from the client as per requirement
- Handled review call with clients effectively and got appreciations from the client for the same

### CERTIFICATION

- Learn Web Designing and HTML5/CSS3 Essentials
- GIT and Visual Studio with Azure DevOps Repos for developers
- Python for Beginners:Learn Python Programming (Python 3)
- Introduction to Blockchain with Industry Applications
- Testing React apps with React Testing Library(RTL)
- DevOps, CI/CD (Continuous Integration/Delivery for Beginners)
- Learning React. Js
- Agile Requirements Foundations
- Business Analysis Foundations

- Interpersonal Communication
- Learning Digital Business Analysis

#### TOOLS USED

- React, ServiceNow, VS Code, Postman, Git, JIRA, JWT, HFSS, Origin, VHDL, MATLAB

#### PROJECTS

##### ACADEMIC PROJECTS

MINI PROJECT	MAJOR PROJECT
Title: Image Edge Detection	Title: Four element band notched UWB MIMO antenna
Team Size: 2	Team Size: 4
Software used: MATLAB	Software used: HFSS and ORIGIN
Description: Detecting the edges of an image by using different techniques such as Sobel edge detection, Robert edge detection, Prewitt edge detection and Canny edge	Description: Designing a four element band notched UWB MIMO antenna which gives high isolation and gain throughout the UWB band by using the HFSS and ORIGIN software tools

##### PROFESSIONAL PROJECTS

MAINFRAME MODERNIZATION	E-COMMERCE WEBSITE	MASTERCRAFT TOOL
Took onwershship of migrating the B2C firm order DND use-case (that is written in CICS or Telon CICS with DB2 database and RACF Authorization) to Azure Kubernetes deployed React UI and Springboot services based component with Azure SQL as primary DB	Involved in creating UI for the E-com responsive site and added many features such as sorting, displaying video features of the products and implementing pagination to reduce the load on the page and many more	This tool generates React Code UI components using Forward and Reverse Engineering on Mainframe Script
<b>TECH INVOLVED:</b> React JS, JEST, JAVA Springboot, MSAL, SONAR, Azure kubernetes and SQL, CI/CD Jenkins Integration	<b>TECH INVOLVED:</b> React JS, React Testing Library, Node Js, MongoDB, CI/CD Jenkins Integration	

#### HIGHEST ACADEMIC QUALIFICATION

- Pursued Btech in ECE from Vignan's Institue of Information Technology in 2020 with a **CGPA of 8.73**

#### PERSONAL INFORMATION

- Date of Birth: April 15, 1999
- Languages Known: English, Hindi, Telugu, Oriya