

# SURAJ PAI

<https://surajpai.github.io>

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## SUMMARY

- 12+ years of experience in designing, building and delivering software solutions across various business domains
- Strong expertise on configuring application infrastructure using Microsoft Azure cloud service design patterns
- Highly skilled in creating deployment scripts and automating build pipelines based on specific business cases
- Designed and developed enterprise apps using .Net Core and React with centralized Azure Active Directory authentication

## PROFESSIONAL EXPERIENCE

COMPANY	DESIGNATION	TENURE
INFOSYS LIMITED	TECHNOLOGY LEAD – CLOUD PROFESSIONAL	FEB 2015 TILL DATE
SONATA SOFTWARE	SYSTEMS ANALYST	SEP 2013 – JAN 2015
CAPGEMINI	SENIOR SOFTWARE ENGINEER	AUG 2010 – FEB 2013

## PROJECTS

Domain: Auditing (Big 4)

Nov 2020 till date

Work performed: Designed and configured the microservice architecture for a greenfield ecosystem that enables auditors to collaborate and structure the audit process. This workflow system improves the quality of data flow and coordinate timely audit submissions.

### Roles:

- Designing the workflow process and identify the appropriate design patterns for setting up a cloud-based infrastructure
- Configure the Authentication process using session based OAuth for authorized users within the domain as well as client access
- Configure access-control list (ACL) based roles for external client users by enabling Active directory synchronization (Azure AD connect)
- Generated build and deployment scripts to automate DevOps pipeline configuration using Kubernetes Helm Charts
- Built architecture diagrams and wiki documentation for functional guidance to consumers
- Implemented a micro-frontend architectural approach and defined the infrastructure pattern to integrate other micro-frontends.
- Built templating tools to generate boilerplate code and spin-up new micro-frontend applications
- Created a web component utility to inject dependencies at runtime using JavaScript bundles
- Built a component library using React Storybook to isolate reusable components

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Domain: Auditing (Big 4)

Aug 2015 till Nov 2020

Work performed: Designed and built an application that integrates and processes information from various auditing systems to perform consolidated workflow management

### Roles:

- Create an API schema which provides app integration to display consolidated information on workflow guidance tool
  - Migrated the existing infrastructure from on-premise windows servers to hybrid territory-independent Azure cloud servers
  - Configured the deployment and infrastructure for scaling and localizing workloads to handle peaks and territorial demand
  - Interact with enterprise customers to plan the design and delivery based on business requirements
  - Provided essential guidance and management structures to the team for streamlined work
  - Implemented development process to provide incremental upgrades by business prioritization
  - Configured .Net Core APIs and SQL Server Database models as a separate business components for separation of concerns
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Domain: Manufacturing & Retail

Feb 2015 – Aug 2015

Work performed: Built a consolidated framework to simplify the automation configuration process and simulate a testing environment

Roles:

- Created a scripting framework using Microsoft VSTS to enable users to generate automation scripts
  - Managed and led a team of developers and testers for building the scripting framework
  - Built templates and marketplace tools to generate automation scripts based on common logic within the organization
  - Conducted business review discussions to enhance the framework capabilities
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Domain: Banking and Financial Services

Aug 2010 – Feb 2013

Work performed: Configuring statements and letters to banking customers to communicate important updates about the bank and provide relevant supplemental content

Roles:

- Developed statement generation tool to allow customized monthly bills and letters to be sent to customers
  - Developing modules which extracts accounting information and images and integrates into statements
  - Coding of Letters and Coupon Messages into account statements
  - Scripted SQL database queries for separating the message list to be populated based on credit card customers' parameters
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PERSONAL PROJECTS

Domain: Energy

Jun 2021 till date

Work performed: Built an interactive application to highlight the current energy challenges and the impact of climate change.

Roles:

- Designed and developed the complete structure of the application
  - Deployed and maintained the application using Firebase Hosting
  - Built a component library and UI design system to centralize the application structure
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Domain: E-Commerce

Dec 2020 till Sep 2021

Work performed: Designed and developed an application for promoting and handling hybrid sales of electrical appliances.

Roles:

- Built the application under a personal domain using Custom built React components
  - Deployed and maintained the application using Microsoft Azure App Service and AKS cluster
  - Built a microservice structure to separate out the payment solution from the product inventory solution
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CERTIFICATIONS



[MICROSOFT CERTIFIED: AZURE  
SOLUTIONS ARCHITECT EXPERT](#)



[MICROSOFT CERTIFIED: AZURE  
DEVELOPER ASSOCIATE](#)



[MICROSOFT CERTIFIED: AZURE  
ADMINISTRATOR ASSOCIATE](#)