

SARATH POTTAYIL SASIDHARAN

Senior Software Engineer

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SUMMARY

A self motivated, passionate Software Developer having 5+ years of experience primarily in web development. Eager to learn and develop new tools and technologies to enhance the online experience of users worldwide

In my previous roles, reduced daily testing efforts by 60% through automation and data visualisation, enhanced the application performance by 35% by improving the data structure and identifying the bottlenecks, reduced the application startup time by 6 seconds and reduced the test automation execution time by 50%.


EXPERIENCE


Senior Software Engineer


Wipro Technologies 📅 12/2014 - 04/2020 📍 London, United Kingdom

- 2.5 years of experience in working at customer location with a Major banking firm at London, United Kingdom
- Expertise in JavaScript and NodeJs including data structures and algorithms, dynamic programming, problem solving and design patterns
- Expertise in developing front end applications using React and Redux framework, Vanilla JavaScript along with HTML5 and CSS3
- Deep understanding and experience in debugging performance issues and optimisation concepts such as lazy loading, code splitting, compression, pre-fetching, pre-connect etc
- Proficient and expert in developing test automation frameworks with Node Js (Especially WebdriverIO and Selenium Webdriver) and developing automated solutions for all functional and non functional testing
- Experience in working under Continuous Integration and Continuous Delivery model in a fast paced Agile environment
- Experience and knowledge in Dockerisation of applications, deployment of multi container applications in Kubernetes, developing Git workflow, Jenkins etc

ACHIEVEMENTS

- **Reduced 60% of daily efforts**

Reduced 6 hours of daily testing efforts by developing an interactive dashboard using React which has the capabilities like integration to Jenkins to trigger the automation build execution remotely, analysis of execution results, automatically attach the failure logs, re-trigger the failed scenarios etc.
- **Improved web application performance**

Identified the bottlenecks and improved the application performance by 35% and reduced startup time by 6 seconds using HashMaps instead of Arrays, lazy loading of routes, optimising the critical rendering path, compression of images and minifying JS and CSS.
- **Enhanced customer business by leading their transformation program**

I lead the transformation program for a major banking client in UK and successfully migrated 3 of their legacy customer journeys to newer React - Redux framework with better user experience.

SKILLS

Programming Languages

JavaScript (Expert) NodeJs (Expert)

Python (Beginner) C++ (Beginner)

Front End & Backend Development

ReactJs Redux HTML5 CSS3

Webpack Babel SCSS DOM

ExpressJs Sockets MySQL SEO

Data Structures and Algorithms

Server Side Rendering

Quality Engineering & operations

WebdriverIO Selenium Webdriver

React Testing Library Jest Enzyme

Mocha Cucumber BDD JIRA

API automation Contract Testing

Jenkins Applitools SauceLabs

Docker Kubernetes AWS (Learning)

GitHub GitLab

Exposures

Insurance Banking Retail

Securities & Capital Markets Agile

Scrum Kanban

LANGUAGES

English Proficient ●●●●●

Hindi Advanced ●●●●●

Tamil Proficient ●●●●●

Malayalam Proficient ●●●●●

ACHIEVEMENTS



Saved 15 days worth of efforts for 2 teams by developing a React – Redux boilerplate

Developed and maintained a front end framework using latest versions of React, Redux, Redux Saga ensuring highest standards and prepared the guidelines and best practices to save the initial setup time for new teams.



Ensured smooth integration of micro-services using Consumer Driven Contract Testing

Proposed and implemented the concept of consumer driven contract testing using PACT to enable parallel development of front end and backend applications and to ensure a smooth system integration with ZERO surprises.



Development of React Component Library

Contributed to the development of a React component library along with brand specific styles from the scratch for enabling the faster development of high performance, accessible and compatible web applications across the whole organisation. We achieved more than 30% reduction in the development timeline by utilising this library in more than 10 different projects.



Improved automation coverage and reduced execution time by >50%

Developed a latest standard automation framework by using NodeJs. 10 different teams are currently using this framework. Improved the test coverage by implementing automated visual regression using AppliTools. Reduced the automation execution time by setting up parallel execution, headless browsers and Selenium Grid.



Cloud Migration

Involved in requirements gathering, collaboration and development of the successful deployment of the applications into Azure public cloud and IBM Cloud Private for a major banking firm in London. We were the first team in the whole bank to have deployed the application in a public cloud and in ICP. My contributions in the whole journey for collaboration and requirements gathering were noteworthy.

FIND ME ONLINE



LinkedIn

<https://www.linkedin.com/in/sarathps93>



GitHub

<https://github.com/sarathps93>

EDUCATION

Bachelor of Engineering

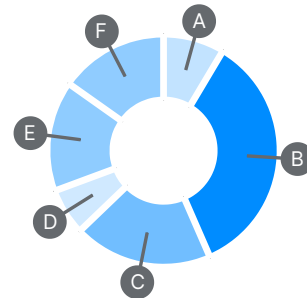
Anna University

2010 - 2014

GPA

8.03 / 10

MY TIME



- A Requirements Gathering & Collaboration
- B Development
- C Unit Test
- D Code Review
- E Automation
- F Implementation of new Ideas