HITESH PATEL

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**PROFILE**

Proficient in front-end development with a robust background in DevOps, I excel in integrating APIs and Bootstrap for dynamic user interfaces. Skilled in JavaScript, HTML, CSS, and React, I led projects like "dishdiscovery" while ensuring Git, Jenkins, and server-side API efficiency. With a solid foundation in Google Cloud Platform, AWS and CI/CD pipelines, I offer a unique blend of front-end expertise coupled with DevOps proficiency.

**EXPERIENCE**

**Oct 2023 – Present EDX Bootcamp**

**Front-end Web Development**

**Project 1:**

Our collaborative project, "dishdiscovery," effectively addressed real-world needs through a front-end application. Following agile methodologies, we meticulously managed user stories and criteria via Kanban boards on GitHub Projects. To meet project requirements including Bootstrap integration, GitHub Pages deployment, and leveraging server-side APIs, interactive modals, and client-side storage, we designed and utilized low-fidelity prototypes using Figma. My pivotal role centered on integrating the YouTube API and managing CSS/Bootstrap elements. This involved executing searches, displaying videos based on user input, enhancing the UI through Bootstrap modals, and ensuring responsiveness through CSS and media queries. My approach seamlessly merged technical functionality with design elements, significantly enhancing the project's usability and visual appeal.

Skills/Tools Utilized:

JavaScript, HTML, CSS Bootstrap, APIs, Node.js, React, Third-party APIs , Server APIs, Test-Driven Development (TDD), Figma, Wireframes

**Jul 2021- Sep 2023 Tata Consultancy Services**

**Devops Engineer**

**Client – HSBC**

Project Teams at HSBC use Google Cloud Platform for the functioning of their tasks. There are over 2000 projects ranging from investment banking to the banking app that rely on the use of Google Cloud Platform. My role is to analyse and resolve any issues or concerns the project teams face with Google Cloud Platform (providing 2nd and 3rd line support). For example, when a project team makes a change to their project this may have an impact on the statefile and consequently the project team's functionality. I have had to swiftly download and correct the statefile to resolve the conflict and restore functionality to the project team.

Objectives of my job role requires a variety of skills such as:

- Adhere to strict time frames and complying with business SLA.

- Engaging and managing third parties - Some issues require me to engage and collaborate with third parties to resolve the problem. For example, I have worked with google to explore IAM roles.

- Excellent communication and interpersonal skills - As part of my role I will need to discuss the project teams requirements in order to resolve their issues.

- Critical analyses and constructive solutions to achieve the best outcomes for the project teams.

- Managing competing business requirements - Prioritising requests by project teams to best serve the business a whole.

- Team Collaboration - Discussing with the team on certain project tickets.

- Creating shell scripts for MD5 process.

- Use of key technologies: Google Cloud Platform, GitHub, Jenkins, Jira, Confluence, Google Analytics, VPC-SC, DNS, VLAN.

**Nov 2020 – Jun 2021 QA consulting**

**Devops Engineer Trainee**

**Individual projects:**

**Fantasy Football Application**

For this project I had to create a CRUD application with the utilisation of tools such as MYSQL, Python/Flask, HTML and Jinja2. By combing these tools together, I was able to create an application that would allow the user to create a football team(s) and add a maximum of 5 players to the team. The application was deployed on Jenkins via a webhook, which means any commits on GitHub would trigger a new build of the application. By the end of the project, I had successfully understood the basics of creating a web application and how the CI pipeline works with Jenkins.

**Micro service Application**

In this project, I was tasked to develop a micro service architecture website. The focus was mainly on the backend functionality and implementing a CI/CD pipeline. This simple Flask-web app was built using four separate Docker containers and deployed using Docker compose, Docker swarm and Jenkins. Ansible and Docker made use of the multiple worker nodes under the control of a manager node. The application used four separate GCP VM instances to deploy all the features.

**SKILLS** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| **Technology Domain** | **Technologies and Tools** |
| Programming Languages | Python, HTML, R, MATLAB, Bash |
| IDE’s | Visual Studio Code, Jupytr Notebook |
| Operating Systems | Windows, Linux (Ubuntu), Mac OS |
| Clouds Platforms | GCP |
| Devops Technologies | Git, Jenkins, Terraform |
| Data Science Technologies | Machine Learning, Hadoops, and Spark, NumPy, scikit-learn, panadas, ggplot2, plotly |
| Database Technologies | MySQL, GCP bigquery |
| Other | Waterfall, Flask, Agile Scrum, Office 365, ITIL |

**EDUCATION**

**Royal Holloway University of London Merit 2019-2020**

MSc Data Science and Analytics

**University of Portsmouth Upper Second-Class Honours 2015-2019**

BEng Petroleum Engineering

**HOBBIES/INTERESTS**

* Working on cars
* Wood working
* Participating in sports like cricket and football.

**Reference available on request**