

Sagar Pathak

pathaksagar16@gmail.com | (515)-723-9034 | LinkedIn: [Sagar097](#) | GitHub: [devops-sagar](#)

Education

California State University - San Marcos, United States
Master of Science in Computer Science

Aug 2021 – May 2023

Silver Oak College of Engineering & Technology, India
Bachelors of Engineering in Computer Engineering

Aug 2015 - May 2019
GPA: 3.7/4

Programming & Software expertise

Programming Languages: - JavaScript, Python, Java, C#, SQL, HTML, CSS, SASS, XML, Tailwind, Reactjs

Databases & Version Control: - Firebase, Exadata, Oracle RMAN, Acquia, MongoDB, Git, Bitbucket

Miscellaneous: Akamai, Jenkins, Postman, Jira, Iris, Agile, Cloudflare CDN, platform.sh, Figma, Python Automation, Docker

CMS & OS: Ubuntu Linux, Unix Shell scripting, Drupal 8, Joomla, windows, MacOS

Cloud Technologies & Big Data: Amazon AWS, Microsoft Azure, Local Cloud services, Hadoop, Apache Spark

Experience

City and County of San Francisco - (Summer 2022 Internship)

Sub Unit: San Francisco International Airport

May 2022 – July 2022

Project: Webapp for Ground Transportation Unit

- Worked with the DevOps team of SFO and also act as a scrum master for this project
- Implemented frontend using React and Backend using Java spring/Boot. Successfully Implemented Agile Methodology as a scrum
- Convinced stakeholders and DevOps Team to develop Algorithm argon2 for the reduction in risks of exploitation
- Lead the team of DevOps to understand the scope of the project and develop the Modules using agile methodology.
- Delightfully Establish communication between the UI/UX team and Development team
- Delivered expected modules in time and as per stakeholder's expectations in addition got appreciation for work ethics

Tata Consultancy Services (TCS), INDIA

January 2020 – August 2021

Software Engineer

- Worked as DevOps Engineer to build and deploy sites of Johnsons & Johnsons, Configuring Services and maintaining Websites
- Troubleshoots and solve problems using tools and languages like react, python, Drupal and production services
- Used to optimize sites up to 40% of its efficiency, Managed legacy sites and convert to the flatten sites with updated technical requirements. Maintained all the code base with version control systems
- Reduced the deployment time by using Jenkins pipeline and automating the process
- Experienced to be on-call after the site go live on production for any risk assessment and be the first point of contact to recover the site in case of any downtime
- Can quickly adapt to the project scope and willing to learn new technologies as per the project requirements

Academic & Industrial Projects ([Github](#))

Johnson & Johnson Pharma & Consumer Sites (JavaScript – SASS – ReactJs – Python)

- Used to create Pharma sector's websites at the time of covid-19 vaccine launch
- Developed with Content Management System (CMS) Drupal and pages with ReactJs and NodeJs for backend database connectivity
- Design pages as per the product owner's expectations

Python Data Science (Python – Pandas – Numpy – Data Analysis – Artificial Intelligence)

- Successfully made the projects in python using libraries like Numpy and Pandas for the data analysis
- Made model using different libraries to predict the data and also based on the prediction measures accuracy of the data

Chair Occupancy Detection (React JS — C++ — Mbed Studio — Firebase — Discovery Board – IoT)

- Developed the physical device using the Mbed studio as an IDE, Used React JS to develop the front-end
- Get the firebase application as the data storage and deliver on request of the API endpoints
- Used [DISCO-L475VG-IOT01A \(B-L475E-IOT01A\)](#) in order to captured coordinates and detect the 'G'
- On the detection of 'g' it compares the threshold and decides if the chair is occupied or not

Python Web Development & Automation (Django – Python Automation – Scripting)

- Like to develop the web application using the Django and python as backend
- Made some web portals for the project versions on the testing sites
- I love the Python Automation. I configure my personal laptop using python and automate daily tasks like arranging downloaded files in specific folders, desktop cleaner, and Chatbot to help navigating through.

Courses Taken in Master's

- Design Patterns and Object-Oriented Analysis, Data Communication and Computer Networks, Advanced Database Management System, AI/ML, Algorithms