

# Dev Patel

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## EDUCATION

**Maharaja Sayajirao University of Baroda**

*Bachelors of Computer Applications(Honors)*

Gujarat, IN

07/2019 - 05/2022

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, SQL, C++, HTML, CSS, Java

**Tools/Technologies:** MERN, Socket.io, WebRTC, Next.js, Apache Kafka, Apache Spark, Hadoop, Docker, Jenkins, Git, AWS(S3, EC2, Lambda, Athena, Glue ETL, CloudWatch), Pandas, Numpy, VSCode, Replit, Jupyter, Google Colab, JIRA

**Databases:** MySQL Workbench, PostgreSQL, Redis, MongoDB, MsSQL Server

**OS:** Linux, Windows

## EXPERIENCE

**Software Engineer**

12/2022 – Present

*Frodoe LLC*

*Cranbury, NJ*

- Contributed to the development of a custom POS system, leading to a 20% increase in transaction speed and enhancing customer satisfaction.
- Transitioned from manual Putty deployments to automated Jenkins pipelines, enhancing efficiency and reducing human aspect in the CI/CD process.
- Created and managed data pipeline for real-time streaming and collection of automated logs for data analytics.

**Software Engineer Trainee**

07/2022 – 11/2022

*Bhagat Engineers*

*Vadodara, GJ*

- Developed an SFU based internal communication system for consistent communication.
- Enhanced communication systems, leading to enhanced operations and reduced issue resolution times by 33%.

**Software Engineer Trainee**

03/2022 – 06/2022

*Paul Mason Consulting*

*Vadodara, GJ*

- Oversaw 150+ web portals streaming real-time data, ensuring optimal performance and data integrity.
- Contributed to a key migration of servers to AWS, for better maintainance and monitoring.
- Leveraged AWS for server monitoring, log analysis, and live anomaly detection using time-series graphs

## PROJECTS

**Chat Application** | *Node.js, Apache Kafka, Socket.io, Redis, Next.js, PostgreSQL*

11/2023 – 12/2023

- Developed a highly-scalable app for seamless communication using Socket.io, Node.js, Turborepo and Redis
- Implemented Apache Kafka for efficient chat data streaming, reducing query load and downtime while leveraging PostgreSQL for robust storage.
- Utilized Socket.io and Redis servers for cross-server, bidirectional communication.

**MarketStream Analytics Engine** | *Python, Apache Kafka, AWS(S3, EC2, Athena)*

06/2023 – 10/2023

- Engineered a data pipeline with Python, Apache Kafka, and AWS, streamlining the analysis of data for quick business decision-making.
- Optimized data ingestion and transformation processes, facilitating analysis as per business requirements.
- Delivered key outcomes in market analysis, enhancing data-driven strategy and operational efficiency.

## CERTIFICATIONS

**Software Engineering Virtual Experience** | *JPMorgan Chase & Co.*

06/2023

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

**AWS Certified Machine Learning Specialty 2023 (MLS-C01)** | *Udemy*

01/2023 – 05/2023

- Mastered AWS ML services for data processing, model building, and deployment.
- Applied ML models on AWS in practical scenarios, improving predictive analytics.