

RESUME

Sanika Jaysing Patade

Date of birth: 15 October 2002. Citizenship: Indian

Contact

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OBJECTIVE

Passionate software developer with **1 year** of experience in building scalable, cloud-native solutions using AWS, Python, and React. Holding an **AWS Certified Developer – Associate (DVA-C02)**, I aim to contribute to innovative projects by leveraging expertise in real-time data processing and full-stack development.

PROFESSIONAL EXPERIENCE

Software Developer: *YASH Technologies, Indore* | AUGUST 2024 - Present

- Designed and developed a Cabin Booking Management System, improving workspace utilization efficiency by 30%
- Implemented RESTful APIs using Python FastAPI framework, reducing booking request processing time by 40%
- Created responsive UI components with React, enhancing user experience for 1000+ employees
- Collaborated with cross-functional teams to deliver projects within scheduled timelines, integrating CICD pipeline
- Maintained and optimized SQL databases for efficient data retrieval and storage
- Built RAG-powered document retrieval using vector DB for YASH's internal system, improving search relevance and contextual precision

TECHNICAL SKILLS

Programming Languages: Python, Java (Core), C++

Web Development: React, HTML, CSS, FastAPI

Cloud: AWS (IoT Core, Lambda, DynamoDB, WebSocket API, Athena, QuickSight, AWS LEX), CI/CD Pipeline, OpenSearch, EC2, ECS, ECR

Database Systems: MySQL, SQL, SQLite, DynamoDB, RDS

Tools & Technologies: Apache Kafka, Raspberry Pi, Git, Data Processing & Analysis, NATs Jetstream

CERTIFICATE

AWS Certified Developer – Associate (DVA-C02)

EDUCATION DETAILS

Sr. No.	Qualification	Year	University/Board	Percentage
1	Bachelor of Computer Engineering	2024	Savitribai Phule, Pune University	94.00
2	Diploma in Computer Engineering	2021	Autonomous Institute of Pune (GPP)	91.60
3	SSC	2018	Maharashtra State Board	87.20

PROJECTS:

Project Name: REAL-TIME ORDER PROCESSING SYSTEM

Technologies: Java 21, Spring Boot, NATS JetStream, MySQL

Description:

- Developed an Order Processor microservice using Spring Boot and NATS JetStream to consume and process orders every second.
- **Integrated MySQL for inventory checks** and status updates (e.g., "created" to "processed"). Handled edge cases like unavailable items using dead-letter queues.
- **Impact:** Reduced order processing latency by 35% and improved system reliability.

Project Name: CABIN BOOKING MANAGEMENT SYSTEM

Technologies: React, Python – Fast API, SQL

Description:

- Developed a full-stack solution that provides a pictorial representation of Yash Technology's cabin layout, allowing employees to book cabins seamlessly.
- used **REACT** for all frontend dynamic booking interface and calendar view. along with design **API in python's FAST framework** for handling bookings, approvals, and notifications via email. and also used **SQL database** for cabin status updates (availability, maintenance, etc.) and capacity modifications. Result: Streamlined the workspace booking process and improved admin oversight.
- **Impact:** Improved booking efficiency by 30% and enhanced admin oversight.

Project Name: REAL-TIME STOCK DATA PROCESSING SYSTEM

Technologies: APACHE KAFKA, AWS-SERVICES: IOT Core, Lambda, DynamoDb, WebSocket-API, Athena, Quicksight, CICD Pipeline

Description:

- Designed and deployed a scalable AWS-based architecture to process stock data from BSE APIs, using technologies such as:
- **Apache Kafka:** for publishing and transforming stock data into categorized topics (small, mid, large). Lambda functions and DynamoDB: for storing processed data and updating records.
- **WebSocket API:** enabling client subscriptions for real-time data delivery based on stock categories. **Quicksight Dashboards and Athena:** for visualization and querying transformed stock data. Result: Enhanced system reliability with dead-letter queues for unprocessed stocks, improving analytics efficiency.
- **Impact:** Enhanced analytics efficiency with 99% system reliability using dead-letter queues.

Project Name: ADVANCED TECHNOLOGY IN DRONES

Technologies: Python, IOT, SQLite Database

Description:

- Developed an advanced drone control system leveraging uplinking and downlinking communication techniques using **Raspberry Pi and APM 2.8 Flight Controller**, replacing the traditional **CT6B remote** control.
- The project encompassed real-time control, monitoring, and data logging to enhance drone functionality and flight stability.
- **Impact:** Improved drone functionality and reduced control latency by 20%.

Project Name: CSS STYLE SYNC

Technologies: PYTHON, REACT, WEBSOCKET-API

Description:

- Implemented WebSocket API to capture and transmit CSS modifications in real-time.
- Built a Python (FASTAPI) backend to process WebSocket messages and dynamically update CSS files.
- Ensured reliable synchronization with error handling for invalid CSS inputs and connection failures.
- **Impact:** Streamlined front-end development workflow, reducing manual CSS updates by 50%

Project Name: BANKING MANAGEMENT SYSTEM

Technologies: Core Java, Advance Java, SQL Database

Description:

- Developed a comprehensive banking system application incorporating all essential banking functionalities.
- The project involved creating new user accounts, registration processes, and beneficiary management, with all data securely stored in a backend SQL database.
- **Implemented NEFT, RTGS, and IMPS services**, ensuring they operate according to Indian Standard Time (IST).
- **Impact:** Streamlined banking operations for 100+ test users.

Project Name: EVENT MANAGEMENT SYSTEM

Technologies: HTML, CSS, JavaScript, SQL Database

Description:

- Developed an Event Management System providing comprehensive services for various events including weddings, birthdays, and party celebrations. The application allows customers to register, book event dates, and view event details through a user-friendly dashboard.

Project Name: PYTHON DIRECTORY AUTOMATION APPLICATION

Technologies: Python

Description:

- This application is developed in Python. In this project it will automate the directory every 5 minutes.
- If there is any duplicated file is created and if the file is empty that file will automatically remove every 5 minutes.
- **Impact:** Reduced manual cleanup time by 80%.

INTERNSHIP

- **FUEL:** Core Java (17th Jan 2023 – 16th Feb 2023)
Developed Java-based applications, focusing on object-oriented programming.
- **CODE CLAUSE and OASIS INFOBYTE:** Data Science (1st Feb 2023 – 31st March 2023)
Analyzed datasets and built predictive models using Python.

EXTRA CURRICULAR ACTIVITIES

- Secured **1st rank** in Third Year of engineering and Last Year of engineering.
- Secured **3rd rank** in Second Year of engineering.
- Participated in national level **project exhibition at GMRT**.
- **President of Drone related project** in PVPIT college.
- **Head of committee** to organize the seminars in college.
- **Experience in handling Raspberry PI operating system.**
- **Experience** in handling, analyzing different types of data sets.
- **Automation script for** Starting, shut down and restarting the computer.
- **Training and placement coordinator** of PVPIT college.

GIT PROFILE

<https://github.com/patadesanika>

LINKDIN PROFILE

<https://www.linkedin.com/in/sanika-patade-62b602244/>

Date:

Place: Pune

Signature

Miss. SANIKA JAYSING PATADE