

JIDNESH PATEL

Ontario, Canada

📞 226-961-9775 ✉ Mail 🔗 LinkedIn 🐙 GitHub 🌐 Portfolio

Professional Summary

AWS DevOps Engineer with Master's in Applied Computing focused on building scalable cloud solutions through infrastructure automation, CI/CD pipelines, and serverless architectures. Passionate about leveraging AWS services and DevOps best practices to drive operational efficiency and business value.

Technical Skills

Programming Languages: Python, SQL, Shell Scripting

Cloud & DevOps Tools: AWS (EC2, ECS, S3, Lambda, CloudWatch, IAM, MediaConvert, Artifact Registry), Kubernetes, Docker, GitHub Actions, Jenkins, YAML, CI/CD Pipelines, Load Balancers (ALB), Serverless Architectures

Infrastructure & Deployment: Microservices, Blue-Green Deployment, S3 Event Triggers, ECS Task Definitions, Git, GitHub, Version Tagging, Cloud Monitoring

Development Practices: Agile Methodologies, Unit Testing, API Services, Object-Oriented Design, Documentation, Debugging, System Integration

Experience

Sportskingdom India Pvt. Ltd.

Sept. 2022 – Feb. 2023

Software Developer - Intern

Pune, Maharashtra

- Contributed to the migration of CI/CD pipelines from Jenkins to GitHub Actions for backend microservices, improving deployment automation.
- Built and modified GitHub workflows for Docker image creation, version tagging, and artifact uploads to AWS Artifact Registry.
- Configured ECS task definitions and YAML files for Blue-Green deployments across UAT, SIT, PREPROD, and PROD environments, each mapped to separate AWS accounts.
- Assisted in launching and scaling EC2-backed containers; validated service health through Load Balancer health checks.
- Collaborated with senior developers to troubleshoot pipeline issues, integrate new API service features, and support test case execution during microservice updates.

BitFlyer Technologies Pvt. Ltd.

Dec. 2021 – Jun. 2022

Cloud Intern

Pune, Maharashtra

- Designed and implemented an event-driven video processing pipeline using AWS S3, Lambda, and MediaConvert to convert .mov files into .mp4 and .mp3 formats for AI readiness.
- Set up S3 bucket notifications to trigger Lambda functions on file uploads and orchestrated MediaConvert job submissions.
- Implemented post-processing logic to tag and store converted files with metadata in designated S3 buckets.
- Ensured pipeline reliability with proper IAM roles, Lambda error handling, and logging for debugging and operational monitoring.
- Documented pipeline architecture and assisted QA teams in validation of media output for client delivery.

Education

University of Windsor

Sep. 2023 – Jun. 2025

Master of Applied Computing

Windsor, Ontario

Savitribai Phule Pune University

Jul. 2018 – May 2022

Bachelor of Science in Computer Science

Pune, Maharashtra

Projects

BargainBites (University Capstone Project) | Flutter, Firebase, REST APIs, Push Notifications

Sept. 2024

- Developed cross-platform mobile app reducing food waste through dynamic pricing algorithms for near-expiry inventory.
- Implemented Firebase Auth, Firestore NoSQL database, and FCM for real-time notifications serving 500+ test users.

Client-Server Communication System | C, POSIX Sockets, Multi-threading, Shell

Apr. 2024

- Built multi-threaded server handling concurrent TCP connections with custom protocol for RPC and file transfer.
- Implemented authentication, command execution isolation, and automated deployment using Bash scripts.