

Shubham Chavan

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EDUCATION

University of Windsor, Windsor *Degree: MEng in Electrical and Computer Engineering* *May 2022 – Aug 2023*
GPA: 3.7/4

Ramrao Adik Institute of Technology *Degree: Bachelor of Engineering* *July 2015 - June 2019*
GPA: 7.87/10

EXPERIENCE

Cloud Software Engineer, VisionBox, Burnaby BC, Canada *Feb 2023 – Present*

- Worked on cloud migration of application using Elastic Beanstalk and AWS serverless architecture.
- Integrated cloud security services with flask applications.
- Leveraged AWS Batch with EventBridge to collect and train the ML model regularly with updated datasets.
- Hosted REST applications with Lambda using containerized approach and API gateway custom authorizers.
- Worked on the database connectivity module and social identity logins using python and SQLAlchemy.

Software Developer – Connected Vehicles, Tata Consultancy Services, Mumbai, MH, IN *June 2019 - April 2022*

- Developed Multiple REST APIs using Node JS with AWS serverless architecture, integrated AWS SQS, SNS and IoT services to provide realtime services.
- Responsible for AWS Kinesis Stream Integration to capture real time data and integrate downstream applications.
- Worked on relational database connection management using AWS RDS read replica to handle connection spike during business hours.
- Implemented database access module using Spring Hibernate to support onboarding of customers.
- Improved the application response time by 2 seconds using AWS Redis ElastiCache.
- Implemented Splunk integration with kinesis firehose service for real time analysis of logs generated by multiple microservices.
- Implemented User Registration and subscription module using AWS API Gateway, Lambda and AWS IoT.

PROJECT

Efficient Sensor Based Library Assistant Robot

- Implemented path recognition module for robot using IR sensors and python Z-bar library to scan QR code.
- Implemented AWS DynamoDB NoSQL cloud database for storing books and their respective shelf position mapping.
- Patent Application Published by Indian Patent Office: 202121051885.

AWS Adaptive concurrency manipulator

- Implemented the concurrency update script using AWS CloudWatch, Alarms, SQS, SNS and lambda to tackle after effects of data center outage.
- The project updates the operations team and the concurrency of the lambda corresponding to the traffic load.
- Video Explanation: <https://uwindsor.yuja.com/V/Video?v=784130&node=3861051&a=102960665&autoplay=1>

Blindoncloud.com

- Developed a blog website using Next JS and Node JS to publish work on different cloud services.
- Deployed on AWS EC2 platform using Docker and Application Load balancer.
- URL: <http://ec2-34-238-84-1.compute-1.amazonaws.com>

SKILLS

Languages: JavaScript, Python, Java, SQL, Typescript, Java.

Lib/Frameworks: CSS, ReactJS, NextJS, NodeJS, Flask, SpringBoot, Hibernate.

Tools: Docker, GIT, JIRA, AWS EC2, ServiceNow, Splunk, Postman, DbVisualizer.

Cloud Skills: Cloud Formation, Load Balancing, API Gateway, DynamoDB, AWS RDS, AWS Lambda, CloudFront, Terraform, etc.

CERTIFICATES

- AWS Certified Cloud Practitioner Issued by Amazon Web Services.
- AWS Certified Solutions Architect Issued by Amazon Web Services.
- HashiCorp Certified: Terraform Associate.