

Omkar Mankar | SOFTWARE ENGINEER

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SUMMARY

- Proficient Software Engineer with 3.5+ years of experience in developing scalable, serverless solutions and event driven architectures using AWS cloud technologies. Expertise in Javascript, Typescript, and frameworks like Node.js, Express, API integration.

SKILLS

Languages & Frameworks	Javascript Typescript Node.js Express.js Python REST API
AWS Cloud Services	SQS Lambda Eventbridge API Gateway Cloudwatch Step functions Redis Layers S3
ML Data Processing & DB	Amazon Textract RDS Postgres MongoDB RDS Aurora DynamoDB
Monitoring & Visualization	Cloudwatch Cloudwatch Alarms Kibana Grafana
Version Control & CI/CD	Git Gitlab Terraform

EXPERIENCE

Cross Country Healthcare

August 2023 - Present

Software Engineer | NodeJS | AWS | Typescript | Javascript

Pune, India

- **Architected and Built** a serverless Connector module utilizing AWS Lambda, API Gateway, and EventBridge for **processing real-time ATS events**, shrinking data latency from **30 minutes to under 30 seconds**.
- **Spearheaded** development of a **serverless pub-sub service**, Enterprise Event Bus (EEB), utilizing AWS Lambda, SQS, API Gateway, and Eventbridge to streamline data transformations and enable event-driven synchronization, with event delivery latency to subscribers reduced by 20%.
- **Revamped and optimized** the Enterprise Event Bus (EEB) to facilitate seamless event-driven communication, allowing new publishers, subscribers to be added with minimal configuration changes, **reducing development cycle time by 30%**.
- **Engineered a resilient** and intelligent automated **reprocessing flow with adaptive failover mechanisms** (real-time email alerts, dynamic retries, CloudWatch alarms) for the **EEB** pub-sub system, ensuring seamless event recovery and drastically **reducing manual log monitoring by 50%**.
- Analyzed and **Automated** the processing of HCP **timesheets** and invoices using **AWS Textract**, reducing the **manual effort by 40%**, improving accuracy by 30%, enabling **seamless handling of 10,000+ documents weekly** through a robust AWS-powered workflow.

UdChalo (Uppcurve Technologies)

August 2021 - July 2023

Software Developer | NodeJS | AWS | Typescript | Javascript | Serverless

Pune, India

- Built and **integrated** 3 APIs for airline suppliers using Node.js, AWS Lambda, DynamoDB, Caching and Layers, **improving system performance by 30%** and reducing response time by 3 seconds.
- **Spearheaded** the development and design of B2B private fares and series fares, driving a 40% increase in quarterly sales for UdChalo.
- **Engineered and implemented** a robust **incentive system** for franchise partners that encouraged them to make more bookings in all lines of business (LOB) at UdChalo improving bookings by 10%.
- Seamlessly **integrated international airlines** using airline aggregator APIs into UdChalo's existing workflows increasing booking by 15%.
- **Automated the reporting process** by building an end-to-end system leveraging AWS DynamoDB, Lambda, S3, SQS, and EventBridge, enhancing reporting efficiency and accuracy for business teams.

PROJECTS

Sangit App

Code

Skills: ReactJS | MUI | Spotify API | Firebase

Pothole Fixit App

Code

Skills: ML | Android | Image Processing | Firebase

EDUCATION

Pune Institute of Computer Technology

Aug 2017 - Aug 2021

Bachelor of Computer Engineering

CGPA 9.57/10

New English School & Junior College

Aug 2015 - Aug 2017

Higher Secondary Certificate

Percentage 85.53%

ACHIEVEMENTS

- Recognized with Extra Miler award at Cross Country for migration from Boomi to AWS and EEB.
- Received the Hats Off and Collaborator awards at UdChalo for contributions to supplier integration.