Vishesh Dugar

Jaipur, Rajasthan | +91 89491 28060 | vishesh-dugar.me | vdugar.official@gmail.com | LinkedIn | GitHub | Leetcode

BIO

Backend/AI Engineer specializing in AWS-native, event-driven systems with **2+ years of production experience** building serverless pipelines **processing 1M+ daily events**. Proven ownership of **scalable backend architecture** and **AI-powered** search and document systems.

TECHNICAL SKILLS

Frameworks & Libraries: Node.js, Express.js, Langchain.js, React
Development Languages: JavaScript, Typescript, Java, HTML, CSS, SQL
Databases & Caches: DynamoDB, Aurora, MongoDB, PostgreSQL, Redis, Weaviate
Cloud & DevOps: AWS (S3, SQS, Lambda, Firehose, Glue, Athena, OpenSearch), Terraform, Localstack, Docker
Developer Tools: Datadog, Ollama, GitHub Actions, Bash

EXPERIENCE

Software Engineer | ION Trading   July 2024 – Present
- Spearheaded development of key features for ION's enterprise-grade KYC6 Compliance platform using **React.js** and **Node.js**, delivering performant, scalable web solutions.
- Designed and implemented a granular **RBAC (Role-Based Access Control) system**, enabling admin users to dynamically assign permissions and restrict resources.
- Built a scalable, serverless reporting pipeline processing **1M+ daily API and UI search events**, leveraging **Kinesis Firehose, S3, Glue, and Athena** to produce on-demand customer reports delivered via secure pre-signed URLs.
- Architected an event-driven, serverless attachments service allowing users to associate evidence files with workflow actions — **built with AWS Lambda, SQS, S3, DynamoDB using Terraform**.
- Built and shipped an automated hiring workflow; now running in production, **eliminating 97% of manual steps** and reducing end-to-end process time **from 900+ hours to 50 hours.**

Software Engineer Intern | Camp Yellow   Feb 2023 – Apr 2023
- Spearheaded development of a **Flutter** Mobile App using **Firebase** and **Flame**.
- Monetized the App using Google Ads leading to Revenue Increment of **180%**.
- Increased User Retention by **30%** by analyzing user activity data and implementing feature and QoL changes.

PROJECTS

Paralegal | *Node.js, AWS, Localstack, Docker, Langchain.js, Weaviate, OpenAI, Bash* | GitHub | [PPT](PPT)
- A one-stop tool that help lawyers and advocates review massive amounts of documents quickly and accurately.
- Developed an end-to-end RAG system enabling users to upload & query PDF documents using natural language.
- Built an event-driven, serverless pipeline using **S3** uploads with pre-signed URLs, triggering **Lambda** via **SQS** for automated PDF parsing and chunking.
- Orchestrated multi-environment deployments using **AWS, Terraform,** and **Localstack**.
- Integrated **OpenAI** models with vector search to deliver accurate, context-aware document Q&A.

EDUCATION

- Vellore Institute of Technology   **B.Tech in Computer Science** | GPA: 8.4   September 2020 – August 2024

AWARDS AND CERTIFICATIONS

AWS Certified Cloud Practitioner (Present – May 2027)
AWS Certified Solutions Architect Associate (Present – May 2027)
Flipkart GRiD 5.0: Top 1% among *400,000* Participants
MLH: 5 Time Hackathon Winner along with Sponsor Tracks of Google Cloud, goDaddy, Twilio, Agora
TwilioQuest: Won Top5 in a blitz organized by Twilio
Treasure Hacks 3.5: Won in *Blockchain* Track with Sponsor Track of *Cockroach Labs*