

Vishesh Dugar

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BIO

SDE with 2 YOE+ at ION Trading. Skilled in full-stack development, scalable web and serverless architectures, and AI/ML integration, with strong problem-solving skills, communication, and attention to detail in fast-paced environments.

EDUCATION

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

TECHNICAL SKILLS

Frameworks & Libraries: Node.js, Express.js, React.js, Jest.js, Langchain.js, Flutter
Development Languages: JavaScript, Typescript, Java, HTML, CSS, SQL, C++, Solidity
Databases & Caches: DynamoDB, Aurora, MongoDB, PostgreSQL, Redis, Vector Databases
Technical Tools: AWS (S3, SQS, Lambda, Firehose, Glue, Athena, Opensearch), Terraform, Localstack, Docker, Datadog

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 frontend/backend 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 **millions of 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**.
- Developed an automated hiring workflow in a 24-hour hackathon; now in production, **reducing 97% of manual steps** and cutting process time from **900+ hours to 50 hours**.

Software Engineer Intern | CampYellow 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](#)

- 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 for accurate, context-aware document Q&A.

AWARDS AND CERTIFICATIONS

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