

# ARCHIT MATHUR

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architmathur.com

## EDUCATION

### SKIT, Jaipur

- B.Tech., Aug '15 - May '19  
Computer Science

## INTERNSHIPS

- **Intel** - Deep Learning  
Google Summer of Code
- **Innoraft** - Web Dev  
SWE & Trainee
- **CCExtractor** - AV Processing  
Google Summer of Code
- **IIT Bombay** - Web Dev  
SWE

## SKILLS

Node.js • TypeScript • Go  
JavaScript • Python

PostgreSQL • MongoDB  
Elasticsearch • Redis  
DynamoDB • PlanetScale

Kafka • RabbitMQ • SQS

AWS • GCP • Firebase  
Docker • Kubernetes • CDK

Nest.js • GraphQL • gRPC  
OpenAPI • TypeORM  
React • Next.js • Material UI  
React Native • RN IAP  
FastAPI • SQLAlchemy

## ACHIEVEMENTS

- Reported CWE-200 and CWE-522 based P0/P1 vulnerabilities to a leading edtech startup in India along with steps to triage
- Completed the Computer Vision nanodegree by Udacity - built projects on facial keypoint detection, image captioning etc

## EXPERIENCE

### Software Engineer - Freelance, **Toptal**

Aug '21 - Present

- *Built multiple product features and fixed various data discrepancy issues for a DeFi startup which paved the way for their ICO. The flagship achievement was improving runtime of the token metrics changes (such as 15m price change) calculation job by ~85%.*
- *Integrated Amazon SP-API as a third-party vendor into an existing Apollo powered federated graph of various such vendors for a YCombinator S16 startup. It enabled users to re-order or get a refund for faulty products they received by themselves without any help from customer support.*
- *Designed, developed, and maintained a cross-seller inventory management and syncing solution for an early stage dropshipping company.*
- *Extended a defi product, end-to-end, allowing users' to track their portfolio of crypto assets, like stablecoins & NFTs, for a seed stage startup backed by Coinbase. Also introduced behaviour-driven tests in the codebase for safer deployments.*
- *Developed the back-end of a cross-blockchain token bridging application for a major blockchain solutions provider backed by Microsoft.*
- *Automated creation of dynamic digital products to be advertised on Facebook for a social media marketing agency.*
- *Integrated a new vendor in the product ecosystem of a real estate startup which allowed for acquisition of 1000+ B2B customers.*

### Senior Software Engineer, **Safe Sign Technologies**

Mar '23 - Nov '23

- *Owned the entirety of web engineering, which involved developing AI-enabled websites and servers, managing cloud infrastructure, integrating with 3rd-party vendors, and scoping out the architecture of new products.*
- *Led end-to-end web app development of products that recommend energy and broadband providers to UK users.*
- *Used GPT 3.5 and 4 APIs to understand natural language and power a custom classification and summarization feature.*

### Software Engineer, **smallcase**

June '19 - June '21

- *Built a custom, Kafka and Redis based, distributed bucketing & throttling pipeline that reduced internal systems' load metrics by as much as 98% and SLA-based errors from external entities by 70%.*
- *Integrated WhatsApp messaging in the product ecosystem - 26% of the nudges sent to users in the first year led to a transactional action.*
- *Helped DevSecOps scale the PostgreSQL and Kafka clusters, which led to reduced connection drops, increased throughput, and better observability.*
- *Interacted with the product, projects, QA, support, and design folks as a point of contact for my team.*