

ARCHIT MATHUR

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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

- 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 and helped migrate the database from Postgres to PlanetScale for increased developer efficiency and collaboration.
- Developed the back-end of a cross-blockchain token bridging application for a major blockchain solutions provider backed by Microsoft. It enabled users to transfer said tokens to a better blockchain network in terms of security and liquidity. Users could also analyse prices, market cap, and TVL for the token in minute granularity.
- Automated creation of dynamic digital products to be advertised on Facebook for a social media marketing agency. The leads from ads were ingested using webhooks and an external distribution service was used for product delivery.
- Integrated a new vendor in the product ecosystem of a real estate startup which allowed for acquisition of 1000+ B2B customers. Also led a refactor & decreased a recurring use-case's development time to ~3 weeks from the usual ~8 weeks.

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.
- Set up logging and alerting pipelines for multiple services and dashboards for tracking KPIs which significantly reduced the turnaround time for resolving production issues.
- Helped DevSecOps scale the PostgreSQL and Kafka clusters, which led to reduced connection drops, increased throughput, and better observability.
- Involved in integrating and reviewing multiple B2B APIs that allowed us to send emails, text messages, and push notifications to end-users.
- Interacted with the product, projects, QA, support, and design folks as a point of contact for my team.
- Participated in tech talks, release discussions, code reviews, HLD and LLD planning, and on-call support.