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 • BigQuery

Kafka • RabbitMQ • SQS

AWS • GCP • Firebase
Docker • Kubernetes • CDK

Sentry • ELK • Datadog

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

ACHIEVEMENTS

- Designed, developed, deployed, and marketed a cross-platform subscription-based mobile app for Amazon sellers.
- Deployed Pine Script on TradingView to help my cousin in his algorithmic trading endeavours.

EXPERIENCE

Software Engineer, **Portal**   *May '24 - June '25*

- *Built subscription tiering alongside Redis-based usage capping to prevent resource abuse. This was a step towards making the product self-serve and took tremendous load off from BizOps and Sales.*
- *Owned the asset insights pipeline which calculated daily volume and EOD token balances across >10M ever-growing SECP256K1 and ED25519 wallets. Enhanced calcution times by ~98% and chain support from two to seven.*
- *Integrated TOTP-based MFA, SSO (both SAML and OIDC), user impersonation, and various other enterprise auth features.*
- *Extended the core MPC pipeline with Solana offerings like server-side security scanning for transactions, private key ejection on the Portal web SDK etc.*
- *Triaged and often fixed vulnerability reports from Bugcrowd security researchers.*

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.*
- *Extended a defi product, end-to-end, allowing users' to track their portfolio of crypto assets for a seed stage startup backed by Coinbase.*
- *Developed the back-end of a cross-blockchain token bridging application for a major blockchain solutions provider backed by Microsoft.*
- *Worked with various startups and SMBs short-term across SMM, eCommerce, Real Estate, and DeFi to support them in their product launches.*

Senior Software Engineer, **Safe Sign**   *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.*
- *Interacted with the product, projects, QA, support, and design folks as a point of contact for my team.*