

ARCHIT MATHUR

architmathur2011@gmail.com

linkedin.com/in/archit-mathur

github.com/achie27

medium.com/@achie27

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 - A/V Processing
Google Summer of Code
- IIT Bombay - Web Dev
SWE

SKILLS

JavaScript • TypeScript

Python • Go • C++

HTML • CSS • Solidity

PostgreSQL • MongoDB

Elasticsearch • Redis

Kafka • RabbitMQ

AWS • AWS CDK

Git • Postman • Locust

Prometheus • ELK • EFK

Docker • Kubernetes

NestJS • React • TypeORM

PyTorch • OpenCV • Flask

PyQt5 • Scikit-learn

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, ConsenSys

Jan '22 - Present

- Developed the back-end of a cross-blockchain token bridging application
- Leveraged Polygon and Waves RPC nodes to power transactions
- Created an analytics module for a Polygon token consisting of price, market cap, and TVL APIs
- Created an admin module allowing customer support to interact directly with a Polygon smart contract

Software Engineer - Freelance, Proforo

Dec '21 - Jan '22

- Automated creation of dynamic products to be advertised on Facebook using in-memory cron jobs
- Set up webhooks to ingest leads interested in such products
- Created interface with the product distribution service to book and deliver products to the leads

Software Engineer - Freelance, NoteRouter

Aug '21 - Nov '21

- Integrated a new data vendor API in the ecosystem that allowed biz dev access to more than 1000 new organizational customers
- Proposed and executed a significant back-end refactoring that decreased development time of a recurring use-case from 6-8 weeks to 2-3 weeks
- Audited the tech architecture in terms of ease of development, application performance, security, infrastructure, and best practices

Software Engineer, smallcase

June '19 - June '21

- Built a custom, Kafka and Redis based, distributed bucketing and 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 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