Anjan Roy

Senior Cryptography Engineer, CRC, Technology Innovation Institute, Abu Dhabi

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Objective :

To work in an environment that provides high standards of intellect, professionalism and moral ethics, solve problems that helps us in understanding mysteries of the nature, be part of a team that works towards growth of society and enhance my skill sets while adopting newer methodologies.

Email : hello@itzmeanjan.in   Gender : Male

Website : https://itzmeanjan.in   Nationality : Indian

Experience :

Senior Cryptography Engineer @ CRC, TII, Abu Dhabi [June, 2023 - Present]

- Working with symmetric/ asymmetric (non post-quantum) cryptography team

Blockchain Engineer @ Polygon Labs (pka Matic Network) [July, 2020 - May, 2023]

- Majorly contributed to development of symmetric, asymmetric cryptographic primitives in Miden VM
- Helped in building light-client for KZG commitment-based Data Availability blockchain, using Rust
- Wrote and maintained `Solidity` contracts, powering L1 <-> L2 asset transfer - secured > $7B back then
- Developed simple and reliable micro-service based cross-blockchain transaction life-cycle tracker
- Designed and developed fast-finality, cross-blockchain, trusted asset transfer bridge for ecosystem project

Freelance Developer [July, 2018 - June, 2020]

- Wrote custom `ERC20` contract (with locking, staking) for leading marketplace
- Reduced latency by 53% after introducing `Memcached`, `Redis` in existing service
- Built `JSON-RPC`/ `REST` services with `ExpressJS`, `PostgreSQL`
- Helped researcher explore large dataset using `Matplotlib`, `Seaborn`, `Numpy`
- Helped client target large user base by building multi-platform app in `Flutter`

Academics :

Course Name	University	Year of Passing	GPA
M.Sc. (Computer Science)	Visva-Bharati, Santiniketan, India	2020	8.89
B.Sc. (Computer Science)	Visva-Bharati, Santiniketan, India	2018	8.87

Interest :

Large Scale P2P Networks; Applied Cryptography - Symmetric, Public Key (mostly Post-Quantum)

Skills :

Responsibility, Patience, Diligence