

Raj

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EDUCATION

Jamia Hamdard University, Delhi, India

Jul 2017 – Jul 2021

- B.Tech, Computer Science. CGPA: 9.22/10
 - Relevant Coursework: Databases, Algorithms, Distributed Computing, Formal Languages & Automata Theory, Compiler Design, Operating System, Computer Networks, Discrete Mathematics.

WORK EXPERIENCE

Adbase Studio | Remote

Oct 2023 – Present

- Research & Engineering
 - **Solana MEV Dashboard**: Arbitrage and validator profit on USDC and SOL transactions on Jito.
 - **ClearDotTax**: one-click tax computation for Solana & Polkadot. [Rust]
 - **@adbasexyz** (ad campaigns on Farcaster) & **@makeblinks** (no code Solana Blinks).
 - **Cardwise**: save **over \$1000** yearly with tailored credit card recommendations. [Golang]

YieldScan, YieldBay | Singapore

Nov 2021 – Oct 2023

- Head of Engineering
 - Built a yield aggregator and dashboard to manage portfolio across 159 yield farms, 17 protocols & 9 parachains, tracking over **\$39M** in the Polkadot ecosystem. Led all integrations: list.yieldbay.io
 - Helped scale YieldScan, the staking dashboard for Polkadot to over **\$200M** worth of DOT and KSM staked through us; demo: youtu.be/N8V4D2PpuLk
 - Partnered with [Gasp.xyz](https://gasp.xyz) and [Ava Protocol](https://ava.protocol) to build **the first yield autocompounder using XCM**. [launch announcement](https://launch.announcement); demo: youtu.be/M-K4eHP9Vno
 - Wrote **ERC-4626 Tokenized vaults** and strategies for [Moonbeam](https://moonbeam.io) yield farms: yield-bay/vaults.
 - Wrote contracts to **Warp In** (add liquidity with any token) and **Warp Out** (remove liquidity to any token) for [RomeDAO](https://romeDAO.io) Protocol: yield-bay/rome-warp.

BUIDL Labs | Delhi, India

Jul 2020 – Nov 2021

- CTO, file.video, [DataStation](https://datastation.io) | Blockchain Researcher
 - Reduced information asymmetry in the [Filecoin network](https://filecoin.io) by simplifying storage provider stats.
 - Developed a transaction history processor, earnings aggregator and future earnings prediction system for Filecoin miners ([codebase](https://codebase.devgrant.proposal), [devgrant proposal](https://devgrant.proposal)). Wrote a [chain indexer](https://chain.indexer) to fetch relevant data.
 - Onboarded **100+** storage providers; helped them calculate their earnings and simulate ROI.
 - Built a decentralized video streaming API using [Livepeer](https://livepeer.io) (video transcoding) & Filecoin (p2p storage): file.video. Reduced video streaming costs by **90%** and storage costs by **4000x** cf. web 2.0 alternatives.

MacPorts (Google Summer of Code) | Remote

May 2019 – Aug 2019

- Software Developer
 - Ported MacPorts [Buildbot](https://buildbot.org) (CI/CD) Infrastructure from version 0.8 to 2.x.
 - Developed a custom views [plugin](https://plugin.buildbot.org) for Buildbot that enables writing UI components in modern frameworks like Vue/React.js instead of Angular.js (supported in Buildbot by default).
 - Scaled Buildbot for large instances (to support **>25k builds** at once): commits.

RELEVANT PROJECTS

Blockchain Development Community

- A **400+** community to help beginners learn blockchain dev and onboard them into the ecosystem.

ScholarDAO, Democratize Research

- Protocol for decentralized, autonomous publishing of scientific research using a peer-review system, reputation system of scientists, and citations indexer.

ACTIVITIES & AWARDS

- **Superteam** - Content Writing Bounty - Wallet Opsec Feb 2024
- **Speaker** - Web3Conf India, Goa - “BUIDL Interoperability-first smart contracts with ink!” Aug 2022
- **HackFS** - Finalist (top 12 out of 150 teams worldwide), won \$5k Aug 2021
- **Mentor**, Google Summer of Code @MacPorts May 2020 – Aug 2020

SKILLS

- Languages: Rust, Golang, Solidity, TypeScript, Python, PostgreSQL.
- Technologies: React/Next.js, Viem/Web3.js/Foundry, GraphQL, MongoDB, Redis, RabbitMQ, Docker.

[CV compiled on 2024-09-13]