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

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

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* and *Ava Protocol* to build **the first yield autocompounder using XCM**. *launch announcement*; demo: *youtu.be/M-K4eHP9Vno*
  - Wrote **ERC-4626 Tokenized vaults** and strategies for *Moonbeam* 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* Protocol: *yield-bay/rome-warp*.

BUIDL Labs | Delhi, India · Jul 2020 – Nov 2021

- CTO, *file.video*, *DataStation* | Blockchain Researcher
  - Reduced information asymmetry in the *Filecoin network* by simplifying storage provider stats.
  - Developed a transaction history processor, earnings aggregator and future earnings prediction system for Filecoin miners (*codebase*, *devgrant proposal*). Wrote a *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* (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* (CI/CD) Infrastructure from version 0.8 to 2.x.
  - Developed a custom views *plugin* 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

Cherry Pick, Google Summer of Code Playbook
- An E-Book to help beginners contribute to Open source software. Sold **70+ copies**: *gumroad/l/gsoc*

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.
- Others: Copywriting, Technical Writing.

[*CV compiled on 2024-09-03*]