Bhargav Kacharla

kacharlabhargav21@gmail.com • +91 9146703115 • LinkedIn • GitHub • Website

EXPERIENCE

Novastro   Bangalore, India
Core Engineer   June '22 - present
- Developed RWA tokenization platform for real-estate using ERC-3643 with on-chain Compliance, identity registry for token issuance.
- Architected and developed prediction market protocol in Solidity with cross-protocol yield generation via Aave, Stader, and Quickswap.
- Developed subgraphs for indexing events with graph protocol.
- Led the development of Bitarch.io revolutionary cross-chain bridge aggregator protocol that optimizes cross-chain swap routes across 15+ bridges.
- Developed a comprehensive cross-chain swap SDK and API suite with standardized interfaces, enabling third-party DeFi applications to seamlessly integrate BitArch's cross-chain functionalities
- Developed smart contracts and backend to build decentralised exchange Warpgate.pro in with Aptos Move.
- Developed token launchpad Hatchy.fun in Solana with rust.
- Built a backend analytics system that indexed blockchain events in real-time, enabling comprehensive trading metrics, liquidity provider performance tracking, and protocol-wide statistics.

Xalts   Bangalore, India
Lead Blockchain Engineer   Dec '23 - Mar '24
- Implemented Account abstraction(ERC4337) for EVM chains like Polygon, Avalanche subnet and Hyperledger Besu.
- Developed in-house infrastructure for Account abstraction with skandha bundlers.
- Architected smart contracts for asset tokenization for financial institutions.
- Built in-house indexer for EVM chains with Typescript, GraphQL and MongoDB.

Oddz   Bangalore, India
Blockchain Engineer   Jan '21 - Dec '23
- Led the development of smart contracts in Solidity for Oddz protocol(https://www.oddz.fi/), creating a comprehensive options trading platform with advanced features for purchase, staking, and liquidity provisioning
- Pioneered research on derivative trading in the crypto ecosystem, building a protocol with yield generation mechanisms and enhanced trading capabilities
- Engineered seamless integrations with third-party SDKs, expanding platform functionality and interoperability
- Implemented innovative gasless transactions using OpenZeppelin Defender and Biconomy relayers, significantly improving user experience.
- Engineered a sophisticated automation framework leveraging Openzeppelin, Chainlink Keepers, and Gelato network, creating a self-executing DeFi ecosystem

Rakuten   Bangalore, India
Data Engineer   Oct '20 - Jan '21
- Architected Datalake for Rakuten telecom department for data scientists to develop intelligent models.
- Research big data technologies for building Datalake to handle petabytes of data using MinIO and YugaByte.
- Collaborated with various teams to ingest various kinds of data into data lake.

OpenText   Bangalore, India
Senior Software Engineer   Jul '18 - Sept '20
- Developed custom solutions on OpenText product RightFax.
- Developed REST services using Web API.
- Developed web applications using .Net MVC , javascript and jquery.
- Architect custom solutions for the RightFax users.
- Writing efficient code adhering to industry standards and participating in code reviews.
- Expertise in TypeScript and developing services, custom directives in angular.
- Designed SQL server database for web applications.

Tata Consultancy Services   Bangalore, India
Software Engineer   May '15 - Jun '18
- Worked as C#.Net developer in developing web applications for various customers.
- Worked on .Net MVC Framework and used various web technologies like HTML, CSS, JavaScript,jQuery for developing a web application.
- As a member of the Automation CoE team, developed custom solutions to automate the manual tasks in the team and hence reducing the team count.

SKILLS & INTERESTS

- **Programming Languages:** Typescript, Node.js, Solidity, Rust, Move
- **Backend stack:** AWS, MongoDB, Postgres, MySQL
- **Core skills:** Backend Engineering, smart contract development, smart contract security

EDUCATION

SASTRA University   Thanjavur, India
- Bachelor of Technology in Computer Science and Engineering   May '15