

## Bhargav Kacharla

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### EXPERIENCE

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#### Novastro

Core Engineer

Bangalore, India  
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 Aptos Move compatible with Aptos Coin and Fungible Asset standard.
- Developed token launchpad Hatchy.fun in Solana with rust, built smart contracts with Anchor framework.
- 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

Lead Blockchain Engineer

Bangalore, India  
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.
- Managed infrastructure for running nodes of different blockchain networks and bundlers.
- Architected smart contracts for asset tokenization for financial institutions.
- Built in-house indexer for EVM chains with Typescript, GraphQL and MongoDB.

#### Oddz

Blockchain Engineer

Bangalore, India  
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
- Developed a staking platform for liquidity providers and ODDZ token holders to get maximum yield in ODDZ token along with platform fee discount.
- Implemented gasless transactions using OpenZeppelin Defender and Biconomy relayers improving user experience.
- Developed an automation framework for expiring the options, distributing staking reward, auto-adjusting the pool risks leveraging Openzeppelin, Chainlink Keepers, and Gelato network, creating a self-executing DeFi ecosystem

#### Rakuten

Data Engineer

Bangalore, India  
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

Senior Software Engineer

Bangalore, India  
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

Software Engineer

Bangalore, India  
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

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- **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

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#### SASTRA University

Bachelor of Technology in Computer Science and Engineering

Thanjavur, India  
May '15

