

# HARISH KUMAR GUNJALLI

Blockchain, Solidity Developer

☎ +91 8123799040

✉ harishkumargunjalli@gmail.com

📍 Karnataka, India

Seasoned Software Developer with 9+ years of experience in the IT industry, including over 6 years specializing in blockchain development and more than 1 year focused on AI-driven trading agents and automation solutions for decentralized ecosystems. Experienced in collaborating with global clients and multidisciplinary teams to deliver high-impact software solutions, including financial DApps, AI agent platforms, and enterprise-scale data applications. Strong leadership and mentoring abilities with a proven record of successfully delivering complex, mission-critical projects.

## CERTIFICATIONS

- Certified Blockchain Developer from Emurgo Academy, India Certified Uniswap Hook Developer from Atrium Academy
- Winner of MAXathon – Maxonrow Online Hackathon
- Recipient of the Best Paper Award at the 2nd International Conference on Intelligent Computing and Applications (ICICA 2015)

## CORE COMPETENCIES

### BLOCKCHAIN & SMART CONTRACT DEVELOPMENT

- Solidity, Ethereum, Chainlink, The Graph, OpenZeppelin, Gelato ERC20/ERC721, ERC1155, ERC4626 along with, ERC 710 token standards upgradeable contracts, wrapper contracts, multi-token systems
- Hardhat, Truffle, Foundry, CI/CD, OZ Defender, Chainlink Keepers.
- Multi-Sig wallet management and operations

### BACKEND & CLOUD TECHNOLOGIES

- REST API development with Node.js and ExpressJS
- AWS Lambda, DynamoDB, OpenSearch, PostgreSQL  
Decentralized analytics integration using The Graph SQL, NoSQL, ODBC, JDBC database technologies

## EDUCATION

### PES Institute of Technology | Aug 2013 - May 2017

Bachelor's in Information Science & Engineering  
CGPA: 9.16/10

## WORK EXPERIENCE

### Provenant by Protokol BV | April 2026 – Present

Backend Developer

- Developed BackOffice analytics solutions for the DPP Manager platform to improve operational insights and reporting.
- Implemented secure Role-Based Access Control (RBAC) mechanisms using Zitadel for streamlined user authentication and authorization.
- Administered organizational hierarchies, user roles, and permission management to ensure secure access governance.
- Developed modules for dynamically deleting the models/batches/items of the DPP products without effecting the existing api workflow.
- Developed cron job for dynamically calculating the quota for an organisation in the DPP manager.

### Protokol BV | Oct 2022 – Present

Blockchain / Solidity

- Designed and developed a self-repaying loan protocol featuring advanced on-chain automation capabilities for decentralized finance applications.
- Managed DevOps operations for blockchain deployments, including automated triggers, oracle simulations, and data synchronization using OpenZeppelin Defender.
- Built Proof of Concept (PoC) implementations for upgradeable smart contracts to support future scalability and maintainability.

## AI SOLUTIONS & PROMPT ENGINEERING

- Built AI agents and conversational workflows on the Bedrock platform
- Designed and optimized prompt-based NLP workflows for intelligent strategy generation and recommendations

## PROGRAMMING LANGUAGES

- Solidity, JavaScript, TypeScript, Python, and Java

## ADDITIONAL TECHNICAL SKILLS

- Experience with unit and integration testing frameworks such as Mocha and Chai
- Familiar with Agile methodologies, Scrum workflows, QA processes, and release management
- Strong mentoring and onboarding capabilities for junior developers and new team members

## LANGUAGES

- English
- Kannada
- Hindi
- Telugu

- Developed blockchain analytics applications using The Graph protocol to deliver real-time on-chain insights and data visualization for DApp users. Engineered scalable RESTful APIs with AWS Lambda, DynamoDB, and OpenSearch to enhance backend performance and reliability.
- Created AI-powered interactive chat modules using Bedrock and ExpressJS to support intelligent trading strategy generation based on user interactions. Directed prompt engineering workflows for AI agents, delivering customized automation solutions for financial DApps.
- Conducted smart contract security reviews through platforms such as Code4rena, Sherlock, and HackenProof to identify vulnerabilities and strengthen protocol security.

### Oddz Finance| June 2021 – Sept 2022

Software Developer – 2

- Monitored and optimized smart contract workflows and event-driven systems for the Oddz Options Trading platform.
- Prepared workflow documentation and Proof of Concept integrations for Perpetual Protocol to expand financial product offerings.
- Developed reusable NPM packages and configurable smart contracts to support third-party ecosystem integrations.
- Built real-time event tracking and analytics solutions using SubGraph architecture.
- Implemented smart contract wrappers for ChainLink and GVol price/volatility feeds to improve pricing accuracy and transparency.
- Led feature development initiatives including multi-token support, router integrations (QuickSwapRouter, UniSwapRouter), and automated reward mechanisms.
- Utilized OpenZeppelin Defender and Gelato for decentralized automation and efficient task scheduling.
- Delivered secure and production-grade smart contracts following industry best practices and standards.

### Magnitude Software| July 2018 – June 2021

Software Developer

- Served as Product Owner and Technical Lead for a cross-functional team of 10+ members managing Simba Memphis Drivers.
- Coordinated customer communication, Scrum execution, and feature delivery while ensuring product quality and timely releases.
- Delivered critical product enhancements, including frozen type support for the Simba Cassandra ODBC driver.
- Integrated Veracode security scanning into Cassandra and DynamoDB connectors to improve compliance and security standards.
- Managed quarterly releases for integrations involving Shopify, PayPal, Amazon MWS, and Oracle Service Cloud.
- Mentored and trained over 20 team members in QA processes, feature implementation, and release management.
- Developed an automated integration testing framework that reduced validation efforts by approximately 40%.

### Magnitude Software| July 2017– June 2018

Associate Software Developer

- Developed an ODBC connector for Oracle Service Cloud to support enterprise-level connectivity requirements.

- Led development activities for DML feature implementation in Memphis JDBC Core and supported onboarding initiatives for new engineers.
- Created automation scripts for PowerBI and DrMemory, reducing testing efforts and accelerating development cycles by 30%.

## **Full Stack Blockchain Developer Program| Aug 2019 - Apr 2020**

Emurgo Academy India

- Built decentralized applications (DApps) on Ethereum using ReactJS, Solidity, Truffle, and Web3.js.
- Developed and tested smart contracts for blockchain-based applications using Solidity.
- Integrated frontend applications with blockchain smart contracts through Web3.js.
- Worked with blockchain technologies including IPFS, ICOs, ERC20/ERC721 tokens, and consensus algorithms.
- Utilized OpenZeppelin and SafeMath libraries to ensure secure smart contract development.

## **PROJECTS**

Vedyx Network

Jan 2026 - Mar 2026

Designed and developed a decentralized governance and security framework for DeFi ecosystems capable of identifying suspicious on-chain activities through modular smart contract-based detection systems. Implemented a stake-driven community validation mechanism with reward and penalty models to enable secure, scalable, and cross-chain threat mitigation.

Evidence Management

Feb 2020 - Apr 2020

Developed a Distributed Ledger Technology (DLT)-based evidence management platform that tracks the complete lifecycle of criminal case records using tamper-resistant blockchain storage. Digital evidence associated with cases was securely hashed and recorded on-chain to improve transparency, accountability, and trust among police departments, forensic teams, courts, and legal professionals.

Decentralized Identity Management

Oct 2019 - Nov 2019

Created a decentralized identity solution using ERC721 token standards, enabling countries to register citizens under a universal governing authority model similar to the United Nations. The platform supported both universal and local identity generation for secure multi-purpose identity verification and management.