

Harish Kumar Gunjalli

Expert Blockchain/Solidity Developer

SUMMARY

- Blockchain engineer with 6+ years in smart contract development using Solidity, Ethereum, Chainlink, and OpenZeppelin, specializing in upgradeable contracts.
- Proficient in backend API development with Node.js, AWS Lambda, DynamoDB, and integration of decentralized data analytics via The Graph protocol.
- Experienced in DevOps automation for blockchain deployments using Hardhat, Truffle, OpenZeppelin Defender, and Gelato, enhancing system security and scalability.
- Holds a Bachelor's degree in Information Science and Engineering with a 9.16 CGPA, certified by Emurgo Academy and Atrium Academy, and recognized for contributions in international hackathons and research conferences.

TECHNICAL SKILLS

Main Technical Skills	Solidity (5 yr.), Smart Contract (5 yr.), Node.js (3 yr.), Express (3 yr.), Web3.js (1 yr.)
Programming Languages	Go (1 yr.), Java (6 yr.), JavaScript (3 yr.), Python (3 yr.), Rust (1 yr.), Solidity (5 yr.), TypeScript (3 yr.)
C++ Libraries and Tools	C/C++/C# (6 yr.)
JavaScript Frameworks	Express (3 yr.), Node.js (3 yr.), React (1 yr.)
JavaScript Libraries and Tools	Web3.js (1 yr.)
Databases & Management Systems / ORM	OpenSearch (1 yr.), PostgreSQL (1 yr.), SQL (6 yr.)
Amazon Web Services	AWS Bedrock (1 yr.)
Blockchain and Decentralized Software	Brownie (1 yr.), Chai (1 yr.), Foundry (1 yr.), Hardhat (1 yr.), Hyperledger (1 yr.), OpenZeppelin (2 yr.), Smart Contract (5 yr.), Truffle (1 yr.)
Deployment, CI/CD & Administration	CI/CD (2 yr.)
Version Control	Git (1 yr.)
Soft Skills	Mentor Aptitude
QA, Test Automation, Security	Mocha (1 yr.), QA (6 yr.)
SDK / API and Integrations	RESTful API (3 yr.)

Methodologies, Paradigms and Patterns	Scrum (6 yr.)
Other Technical Skills	ODBC (6 yr.)

WORK EXPERIENCE

Backend Developer - Provenant by Protokol BV (BackOffice analytics for DPP Manager)

Duration: April 2026 - Present

Summary:

- Development of BackOffice analytics for DPP Manager to provide detailed insights and management capabilities
- The project includes implementing role-based access control (RBAC) for secure system access and managing organizational structures and access permissions

Responsibilities:

- Developed BackOffice analytics for DPP Manager.
- Implemented role-based access control (RBAC) using Zitadel for secure system access.
- Managed organizational structures and access permissions.

Technologies: Zitadel, Backend analytics tools

Blockchain/Solidity Developer - Protokol BV (Self-Repaying Loan Protocol and Blockchain System Automation)

Duration: October 2022 - Present

Summary:

- Researched, architected, and built a self-repaying loan protocol with advanced on-chain automation features
- Developed blockchain system deployments with automated triggers and price oracle simulations
- Created Proof of Concept for upgradeable contracts and built real-time blockchain analytics applications using The Graph protocol

Responsibilities:

- Researched and built a self-repaying loan protocol with on-chain automation.
- Orchestrated DevOps tasks for blockchain deployments using OpenZeppelin Defender.
- Developed upgradeable contract Proof of Concept.
- Created applications leveraging The Graph protocol for real-time blockchain analytics.
- Engineered RESTful API endpoints using AWS Lambda, DynamoDB, and OpenSearch.
- Designed interactive chat modules for AI agents using Bedrock and ExpressJS.
- Led prompt engineering for AI agents in financial DApps.
- Performed security audits of blockchain codebases via Code4rena, Sherlock, and HackenProof.

Technologies: Solidity, OpenZeppelin Defender, The Graph protocol, AWS Lambda, DynamoDB, OpenSearch, Bedrock, ExpressJS, Code4rena, Sherlock, HackenProof



Software Developer - 2 - Oddz Finance (Oddz Options Trading Platform and Multi-Blockchain Deployment Automation)

Duration: June 2021 - September 2022

Summary:

- Automated deployment pipelines for Solidity contracts across multiple blockchains including Arbitrum, BSC, Polygon, and AVAX
- Developed and optimized smart contract workflows for the Oddz Options Trading platform and integrated new financial products such as Perpetual Protocol
- Built data ingestion architectures and smart contract wrappers for dynamic price and volatility feeds

Responsibilities:

- Automated full deployment pipeline for Solidity contracts on multiple blockchains.
- Reviewed and optimized trading contests and smart contract workflows.
- Authored documentation and proof-of-concept for Perpetual Protocol integration.
- Developed NPM modules and configurable contracts for third-party integrations.
- Built data ingestion architectures using SubGraph protocol.
- Engineered smart contract wrappers for ChainLink and GVol feeds.
- Led development and testing for multi-token support and automated reward distributions.
- Utilized OpenZeppelin Defender and Gelato for task automation.
- Maintained high-quality smart contracts using OpenZeppelin and Uniswap modules.

Technologies: Solidity, Arbitrum, BSC, Polygon, AVAX, SubGraph protocol, ChainLink, GVol, QuickSwapRouter, UniSwapRouter, OpenZeppelin Defender, Gelato, NPM

Software Developer - Magnitude Software (Simba Memphis Drivers and Enterprise Integration)

Duration: July 2018 - June 2021

Summary:

- Led a team as product owner and technical lead for Simba Memphis Drivers, managing customer engagement and feature delivery
- Delivered critical features such as frozen type support in Simba Cassandra ODBC driver and integrated Veracode for security scanning
- Managed quarterly release cycles for multiple enterprise integrations including Shopify, PayPal, Amazon MWS, and Oracle Service Cloud

Responsibilities:

- Managed a team of 10+ as product owner and technical lead.
- Delivered customer-critical features and ensured timely releases.
- Integrated Veracode for security scanning in connectors.
- Managed quarterly release cycles for multiple enterprise integrations.
- Mentored and onboarded 20+ team members across QA, development, and release processes.
- Created integration testing tools reducing developer verification effort by 40%.

Technologies: Simba Cassandra ODBC driver, Veracode, Shopify, PayPal, Amazon MWS, Oracle Service Cloud, ODBC, JDBC



Associate Software Developer - Magnitude Software (Oracle Service Cloud ODBC Connector and Memphis JDBC Core Development)

Duration: July 2017 - June 2018

Summary:

- Developed a performant ODBC connector for Oracle Service Cloud from scratch and led a team implementing DML features for Memphis JDBC Core
- Authored test automation scripts to reduce testing cycles and contributed to knowledge transfer and onboarding of new engineers

Responsibilities:

- Developed ODBC connector for Oracle Service Cloud.
- Led team for DML feature implementation in Memphis JDBC Core.
- Authored test automation scripts for PowerBI and DrMemory.
- Contributed to knowledge transfer and onboarding of engineering hires.

Technologies: ODBC, JDBC, Oracle Service Cloud, PowerBI, DrMemory

Full Stack Blockchain Developer (Training Program) - Emurgo Academy India (Full Stack Blockchain Developer Program)

Duration: August 2019 - April 2020

Summary:

- Completed a comprehensive blockchain development program focusing on Ethereum DApps, smart contract development, and Hyperledger Fabric
- Gained expertise in Solidity, ReactJS, Truffle, Web3js, GoLang, Node.js, and blockchain network setup and management

Responsibilities:

- Developed Ethereum DApps using ReactJS, Truffle, Solidity, and Web3js.
- Created smart contracts and interacted with front-end applications.
- Worked with IPFS, ICOs, wallets, and various Ethereum tokens.
- Developed decentralized applications on Hyperledger using GoLang and Node.js.
- Set up Hyperledger Fabric networks and developed fabric chaincode.
- Developed RESTful and gRPC services in GoLang.

Technologies: Solidity, Ethereum, ReactJS, Truffle, Web3js, IPFS, Hyperledger Fabric, GoLang, Node.js, Express, RESTful services, gRPC

EDUCATION

- **Bachelor's in Information Science and Engineering at PES Institute of Technology**
9.16 CGPA
August 2013 - May 2017

CERTIFICATION

- **Certified blockchain developer from Emurgo Academy, India**
- **Certified Uniswap Hook developer from Atrium Academy**

