Galin Ganchev

Senior Full-Stack Blockchain Engineer

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Bulgarian (native) · English, German (proficient)



PROFILE

Backend and blockchain engineer, **6 years** in software and 4 in Web3: event-driven **TypeScript/NestJS** backends, **Solidity** contracts and AWS infrastructure. **AI-native** and agent-first, with an AI review pass on every PR; security- and test-first.

HIGHLIGHTS

- ✓ **Contractor at Coinbase** via LimeChain (Feb 2025 – Jun 2026)
- ✓ Closed a **yield-theft vulnerability** in an ERC-4626 vault
- ✓ **AI-native**, agent-first development
- ✓ **Mainnet token distribution** to thousands of holders

EXPERIENCE

LimeChain · Blockchain Developer → Senior (Jul 2026) · May 2023 – Aug 2026

Coinbase · contractor, directly under the Head of Tokenization · Feb 2025 – Jun 2026

- **Built the Forward Flow Agreement (FFA) contracts**: factory-deployed funds where investors join in USDC batches and earn proportional yield from MetaMorpho (ERC-4626) vaults; found and fixed a yield-theft vulnerability before deployment.
- **Shipped a tokenized-loan marketplace backend** (loans and bundles; NestJS, MongoDB): REST, JWT, CSV import, gasless EIP-7702 UserOps.
- **Owned event-system features in Go and Temporal** for Coinbase's new tokenized-stocks platform (token value normalization, chain-worker retries) and led contract migrations across ABIs, event publishers, PostgreSQL schemas and Kafka topics; idempotency keys on write APIs, event dedup, DLQ.
- **Built and presented an EVM indexer proof of concept**: chain-reorg handling and a dual-queue RabbitMQ topology separating historical and live event streams, with rate-limited RPC access.
- **Owned deployment end to end**: AWS via Terraform, Kubernetes with horizontal scaling, GitHub Actions CI/CD, pre-production.

Rayls · EVM chain for regulated finance · 2026

- **Built a credit-vault proof of concept**: Morpho Blue-style lending market plus ERC-4626 vault, with invariant fuzzing, 100% branch coverage and Gambit mutation testing; verified on testnet.

MetaWin · prediction markets

- **Wrote and verified the ERC-1155 conditional-token contracts** (testnet) for a Polymarket-style exchange, with UMA resolution.
- **Owned the entire NestJS backend**, working with GraphQL, The Graph subgraphs and PostgreSQL.

EnterDAO · The Common Ground · 2024

- **EnterDAO (Ethereum mainnet)**: built the wind-down claims app with exact pro-rata allocations for several thousand holders.
- **The Common Ground**: frontend developer on the thecommonground.world web app, built with Next.js.

ChangeX (DeFi & banking) · Junior Blockchain Developer · Aug 2022 – Apr 2023

- Developed **Solidity contracts**, including a Uniswap V2 wrapper for in-app swaps, plus Node.js/Express services in TypeScript.

Blubito · Front-end Developer · Dec 2020 – Jul 2022

- Shipped features for runscrum.io and ehorses.de (React, MobX, JS/TS); ran an internal React course for colleagues.

PROJECTS

blockchain101 · blockchain101.founderexchange.co: a from-scratch proof-of-work chain mirroring pre-Merge Ethereum (TypeScript/Node.js), live on AWS: Terraform, auto-HTTPS, OIDC + SSM deploys; built with AI coding agents.
preaudit · github.com/realgalinganchev/preaudit: Foundry pre-audit CLI: Slither, fuzzing, Halmos and Gambit merged into one report.

SKILLS

PROGRAMMING	TypeScript · Solidity · Go · JavaScript · SQL · React · Next.js
BACKEND	Node.js · NestJS · PostgreSQL · MongoDB · REST · GraphQL · Kafka · RabbitMQ · Temporal.io · gRPC · Redis
WEB3	Foundry · Hardhat · ERC-20/721/1155/4626 · ethers.js · viem · The Graph · EVM indexing · Morpho · Solana/Metaplex
AI	Claude Code · Codex · Multi-agent loops · AI code review · Gemini · OpenRouter · OpenClaw
TESTING	Invariant & fuzz testing · Gambit mutation testing · Jest · Supertest
CLOUD	AWS · Terraform · Kubernetes · Docker · GitHub Actions · Datadog

EDUCATION & TRAINING

AI Security Training (secure AI coding, AI red teaming)	Snyk · 2026
DeFi Talents Program	Frankfurt School Blockchain Center · Oct 2024 – Mar 2025
Blockchain Education for Developers	LimeAcademy by LimeChain · 2022
JS Web Developer	SoftUni, Sofia · 2018 – 2021
Electrical & Computer Engineering (coursework)	KIT Karlsruhe, Germany · 2012 – 2016