# Gabriel Nicola                    nicodet.com

Senior Full-Stack Software Developer

■ gabriel@nicodet.com | ■ LinkedIn | ■ GitHub | ■ Remote-friendly

Senior Full-Stack Developer with 12+ years building high-performance systems, from cloud infrastructure to blockchain platforms. Specialized in Rust, Internet Computer Protocol (ICP), and scalable architectures. Proven track record migrating enterprise systems to Web3, achieving zero-downtime deployments while handling 10k+ concurrent users.

## Technical Skills

**Languages:** Rust, Golang, TypeScript, JavaScript (Node.js), PHP
**Blockchain:** Internet Computer Protocol (ICP), Ethereum, Motoko, ICRC Standards, Smart Contracts
**Frontend:** React (Redux), Vue (Vuex), Angular, React Native
**Backend:** Node.js, Koa, Express, GraphQL, REST APIs
**Databases:** PostgreSQL, MySQL/MariaDB, CockroachDB, MongoDB, Redis, SOLR
**Cloud & DevOps:** AWS, Google Cloud, Docker, Kubernetes, CircleCI, GitHub Actions
**Specializations:** CBOR Serialization, WebAssembly, Microservices, High-Performance Systems

## Professional Experience

Dragginz / Toko — Senior Full-Stack Developer → Lead Architect (2019 - Present | Remote)

Led technical evolution through three major platform iterations: cloud infrastructure, blockchain migration, and NFT marketplace launch.

### Phase 3: Toko NFT Marketplace (2024-Present)

- Architected multi-canister system on ICP blockchain with stable memory management
- Implemented ICRC-1 compliant token ledger supporting 10k+ TPS
- Achieved zero-downtime upgrades using CBOR serialization
- Managed $2M+ in NFT transactions

### Phase 2: Blockchain Migration (2021-2024)

- Led migration from cloud to ICP blockchain with zero downtime
- Reduced storage costs 60% through CBOR vs JSON optimization
- Built custom Unity agents for game-blockchain integration
- Implemented HTTP streaming for CDN integration

### Phase 1: Cloud Infrastructure (2019-2021)

- Built Golang microservices handling 2000+ QPS sustained load
- Configured GCP Kubernetes with subnet isolation and auto-scaling
- Maintained 99.9% uptime over 2.5 years
- Reduced infrastructure costs by 40%

### Continuous Development (2019-Present)

- Architected JSON-driven admin dashboard (React/TypeScript) used across all products
- Built dynamic UI generation framework eliminating 80% of boilerplate code
- 5+ years iterative development, now core infrastructure

**Splyt Technologies — Senior Full-Stack Developer (2019, 6-month contract | London, UK)**

- Delivered TypeScript/Koa mobility platform APIs with React UI
- Implemented RxJS pollers for real-time data integration
- Modernized testing framework (Mocha → Jest), improving CI pipeline efficiency

**AssetzCapital / LendingWell — Senior Full-Stack Developer (2016 - 2019 | London, UK)**

- Scaled FinTech platform from 100 to 2000 QPS
- Built Vue.js frontend handling ~2k queries/second
- Implemented real-time WebSocket microservices for CRM
- Managed AWS infrastructure (EC2, S3, Route53, CloudWatch)

**Get Solidity — Senior Front-End Developer (2017, Contract | London, UK)**

- Delivered React/Redux dashboard and React Native mobile app
- Integrated Ethereum Geth Light Node for blockchain operations

**eMAG — Full-Stack Developer (2014 - 2016 | Romania)**

- Built microservices for product de-duplication and indexing
- Integrated RabbitMQ ingestion with SOLR search
- Developed cross-country e-commerce platform features

**IT Six Global Services — Web Developer (2013 - 2014 | Romania)**

- Created responsive booking widgets for restaurant systems
- Built shared API models across desktop and mobile platforms

## Key Achievements

- 10k+ Concurrent Users
- 60% Storage Reduction
- 99.9% System Uptime
- $2M+ NFT Transactions
- Zero Downtime Migration
- 40% Cost Reduction

## Additional Projects

Gloucestershire Cricket — NodeJS REST API and admin UI integration

TheWeddingMile — System management with PayPal API integration

## Languages

English (Professional), Romanian (Native)