

# 1. Information

**Name:** Ilia Chesnokov

**Location:** Riga, Latvia (EU)

**Residence status:** Residence permit in Latvia, citizen of Russian Federation.

**Languages:** Russian (native), English (B1-B2 - actively improving).

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## Summary:

Senior **Full-Stack Software Engineer** with a decade of experience in creating cutting-edge high-load web applications across Web 2.0 and 3.0 ecosystems. I love to work with **Node.js, TypeScript, Vue.js, Solidity, and Rust** with a track record of building captivating platforms for over a million users.

# 2. Career

## 2.1.1. Position: Founder / Senior Full-stack Developer.

- Company: Stabfi SIA. Project: **Actor Protocol**, Blockchain Automation Protocol. - Riga, Latvia.
- May 2023 - Present (7 months).
- Tech stack: Solidity, Foundry, Vue.js, viem, pinia, Rust, Axum, sea-query, SQLx, ethers.rs, PostgreSQL, docker, kubernetes (k8s), Linux.

### My achievements:

- Conceptualized and implemented an automated transaction system, streamlining crypto operations for users, which garnered recognition and **was awarded a €10,000 grant by OVHcloud**.
- Authored a non-upgradeable **Solidity** smart contract with a modular design for seamless DeFi application integration, ensuring reliability with **100% test coverage** for all contract functions.
- Engineered a robust backend in **Rust** comprising an *api* service, a *verifier* service for trigger checks, and an *executor* service for actions processing.
- Developed a **Vue.js** frontend app.

## 2.1.2. Position: CTO / Senior Full-stack Developer.

- Company: **Delta.theta**. Project: Decentralized Options Order Book Trading Platform (DEX) - Riga, Latvia.
- December 2020 - January 2023 (2 years, 2 months).
- Tech stack: Solidity, Hardhat, Waffle, Node.js, Nest.js, redis, RabbitMQ, Vue.js, Vuex, ethers.js, PostgreSQL, Linux.

### My achievements:

- Spearheaded the technical strategy and infrastructure as CTO, ensuring robust system architecture and efficient workflow, which were instrumental in securing **\$1,9 million** in funding for the project.
- Designed and implemented upgradeable **Solidity** smart contracts for a complex options trading platform using Solidity, enhancing functionality and security.
- Developed a comprehensive backend using **Node.js** with **Nest.js** framework, comprising multiple systems including *API*, *parser*, and *watchdogs*, for optimal system integration and performance.
- Crafted a user-friendly frontend using **Vue.js** and **Vuex**, focusing on seamless user experience and responsive design.

## 2.1.3. Position: Senior Full-stack Developer.

- **Freelance**, Freelance market in Russia and the CIS.
- August 2013 - April 2020 (6 years, 9 months).
- Tech stack: Node.js, Koa.js, fastify, socket.io, MongoDB, PHP, Phalcon, MySQL, jQuery, Ajax.

### My achievements:

- Successfully completed over 30 diverse freelance projects (mostly complex web-systems).

- Developed from scratch a new version of one of the leading real-time gambling platforms in the CIS, serving **over a 1,000,000 users** and characterized by high concurrent online activity (up to 1,000 users) and a substantial volume of real-time events. (Node.js, koa.js, MongoDB, socket.io, centrifugo, redis).
- Excelled in client and team communications, consistently fostering strong relationships and ensuring collaborative success in project execution.
- Expertly estimated project timelines, ensuring accurate delivery schedules.
- Transitioned from PHP to Node.js as my primary backend development language in 2016.
- Transitioned to a full-stack developer role in 2017 by mastering the **Vue.js** frontend framework, moving away from the outdated jQuery to embrace modern web development standards.
- Managed Linux server administration and provided shared and VDS hosting services, further ensuring protection against DDoS attacks through software-level security measures.

### 3. My Experience.

#### 3.1.1. Tech toolkit

- **Node.js** (7 years): fastify, koa.js, nest.js, socket.io, sequelize, knex.
- **Vue.js** (5 years): v2/v3, vuex, pinia.
- **Solidity** (3 years): foundry, hardhat, ethers.js, viem.sh, waffle.
- **Rust** (2 years): tokio, axum, sqlx, sea-query, sea-orm, ethers-rs.
- **Databases & Tools**: PostgreSQL, MySQL, MongoDB, Redis.
- **Containerization & Orchestration**: Docker, Kubernetes.

#### 3.1.2. Architectural Approach

Skilled in architecting applications using monolithic, service-oriented, and microservices architectures, with experience in developing serverless applications on AWS Lambda using Node.js and Rust. Historically practiced inside-out development, but currently pivoting towards a focus on Domain-Driven Design (DDD) and SOLID principles to enhance code quality and maintainability.

#### 3.1.3. Leadership Experience

While I have consistently worked within and positively contributed to team environments, fostering excellent relationships with colleagues, my experience as a CTO in a startup—leading a small team of developers and designers—has not provided me with **extensive** structured people management experience. I am keen to further develop in this area and embrace opportunities to refine my leadership abilities.

#### 3.1.4. Additional Achievements

- Secured **2nd place** at the first **National WorldSkills Championship**, competing against students from across Russia in the “**Web Design and Development**” category.
- Served as an **expert** in the “Web Design and Development” category at the second National WorldSkills Championship, sharing knowledge and guiding participants in the field.
- Won numerous university-level hackathons with my IT projects.

### 4. Education.

#### Bachelor of Science in Information Security.

- Faculty of Information Technologies, **RSSU, Moscow, Russia**.
- September 2016 - July 2020 (4 years).
- Grade: 5/5, Graduated with honors.
- Honored with the “Discovery and Pride of the University” medal.