

# Sergey B.

## Senior Full Stack web3 developer

### SUMMARY

- Full Stack Developer with strong blockchain skills. - Over 10 years of experience in IT. - More than 7 years of experience with Node.js and Nest.js. - Strong skills with Express.js. - Over 7 years of experience with PostgreSQL. - In-depth knowledge of Docker and Kubernetes. - Experience with Angular. - Experienced in blockchain projects since 2017. - In-depth knowledge of blockchain integration into the backend. - Upper-intermediate English. - Available ASAP.

### TECHNICAL SKILLS

<b>Main Technical Skills</b>	Web3, Node.js, NestJS, PostgreSQL, AWS
<b>Programming Languages</b>	C++, Java, PHP, Solidity
<b>JavaScript Libraries and Tools</b>	AdonisJS
<b>JavaScript Frameworks</b>	Angular, jQuery, NestJS, Node.js, React, Vue.js
<b>.NET Platform</b>	Azure
<b>PHP Libraries and Tools</b>	Kohana
<b>PHP Frameworks</b>	Laravel, Lumen, Yii
<b>Java Frameworks</b>	Spring
<b>Databases &amp; Management Systems / ORM</b>	Cassandra, Memcached, Microsoft SQL Server, MySQL, PostgreSQL, Redis
<b>UI Frameworks, Libraries, and Browsers</b>	jQuery
<b>Cloud Platforms, Services &amp; Computing</b>	AWS, Azure, GCP
<b>Amazon Web Services</b>	AWS SQS
<b>Platforms</b>	Apache Solr
<b>BlockChain and Decentralized Software</b>	Cross-chain Swaps, elliptic cryptography, ETH (Ethereum blockchain), Hyperledger, ICO, NFT, Web3
<b>Message/Queue/Task Brokers</b>	Kafka, RabbitMQ
<b>Methodologies, Paradigms and Patterns</b>	microservices architecture

<b>Other Technical Skills</b>	Netcat cms
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## EXPERIENCE

### Software engineer in Hitcraft

June 2024 – November 2024

**Description:** AI-powered platform assists music producers in creating tracks, seamlessly integrating into standard production workflows. It uses a vast music library to continually enhance its capabilities, helping users produce high-quality music.

#### Responsibilities:

- Develop backend services and responsive front-end components;
- Descope Integration: Implement secure user authentication and management;
- Build and optimize a media player;
- Mailchimp Integration: Automate email campaigns and manage subscribers.

**Technologies:** Node.js, Angular, Python, Mailchimp, OpenAI, Auth0, Descope.

### Software engineer in ArtJoker project

December 2022 – June 2023

**Description:** The ultimate multi-chain gaming platform that offers a seamless and secure gaming experience to players worldwide. Operates on a decentralized platform that uses blockchain technology, which provides users with a high level of transparency and security. Is one of the most promising multi-chain i-gaming platforms that offer the best conditions for players from all over the world.

#### Responsibilities:

- Design and develop platform architecture from scratch;
- Setup deployment infrastructure on AWS.

**Technologies:** Node.JS(Nest.JS), PostgreSQL, Redis, React.JS, AWS.

### Software engineer in Smartlands project

February 2022 – November 2022

**Description:** Smartlands is a worldwide Platform for tokenization of real economy assets by issuing asset-backed tokens (ABT). Use a ready, secure and proven solution developed by Smartlands.

#### Responsibilities:

- Microservices Architecture;
- Smartlands Wallet development;
- Smartlands investment platform development;
- Developing new API endpoints for new structure.

**Technologies:** Node.JS(Express.js, Nest.JS), PostgreSQL, Redis, React.JS, AWS.

### Software engineer in Metasaurs NFT project

October 2021 – January 2022



**Description:** Metasaurs are computer generated by Dr. DMT in The Lab from 300+ hand drawn traits, each Metasaur consists of between 4-7 combined traits, of various rarities.

**Responsibilities:**

- Microservices Architecture;
- Setup Infrastructure on AWS;
- Developing API endpoints;
- FE work.

**Technologies:** Node.JS(Nest.JS), PostgreSQL, Redis, React.JS, AWS.

**Software engineer in Defiyield project**

February 2021 – September 2021

**Description:** Manage assets across blockchains, generate returns from cryptocurrencies, access the best token swap rates and more.

**Responsibilities:**

- Microservices Architecture;
- Developing new API endpoints for new structure.

**Technologies:** Node.JS(Nest.JS), PostgreSQL, Redis, React.JS, AWS.

**Software engineer in SafeSeaNet project**

July 2016 – till now

**Description:** Estonian government project for tracking ships and data synchronization in EU.

**Technologies:** PHP(Laravel), MYSQL, MSSQL, CASSANDRA, Query.

**Responsibilities:**

- Developing new API versions;
- Support code base for API and admin panel.

**Technologies:** Node.JS(Nest.JS), PostgreSQL, Redis, React.JS, AWS.

**Lead Research Scientist in Agrello (remote)**

July 2017 - July 2019

**Description:** Startup for sphere of Identity Verification, Digital Signatures and electronic contracts.

**Responsibilities:**

- ICO platform(<https://token.agrello.org>): Develop, code review and managed small team(5 developers): develop architecture, crypto-currencies API and token withdraw elliptic cryptography (develop protocol for signing documents. ECDSA key split between server and mobile for additional security. Using ECDSA key for contract signature.);
- Contract platform (Architecture for templates, contracts, blockchain service, etc.);
- ICO platform for Nordcoin (<https://www.nordcoinmining.com/>) project.



**Technologies:** Blockchain development(Ethereum(solidity), Hyperledger), elliptic cryptography, Vue.JS/React.JS, Node.js(AdonisJs), Java(Spring), PHP(Laravel, Lumen), Google Cloud, PostgreSQL.

### **Software engineer in ITBSG (remote), 3dprinterOS project**

November 2014 - December 2016

**Description:** 3DPrinterOS is the largest and fastest growing virtual factory in the world, enabling direct 3D printing from any web enabled device. The cloud infrastructure helps businesses and universities of all sizes securely access and manage their analytics, users, files and manufacturing machines from a single interface. Trusted by companies such as Bosch, John Deere and Universities such as Duke, Yale, UTEP, CalTech, Harvard and Texas A&M. 3DPrinterOS has manufactured over 675,000 parts in 100+ countries.

#### **Responsibilities:**

- develop api for client integration;
- redesign / develop server api for 3D printer integration;
- dashboard optimization (redesign sql architecture and decrease number of requests to server; UI optimization thankfully for virtual rendering) only visible elements on the page;
- improvement for ajax requests hell.

**Technologies:** PHP(Kohana, Laravel), C++, PostgreSQL, Cassandra, Redis, Solr, AWS, Microsoft Azure

### **Middle web Developer, C-format studio**

November 2011 - July 2014

**Technologies:** PHP, MySQL, Memcache, jQuery.

### **Junior web Developer, Dmytro Babych studio**

July 2010 – June 2011

**Technologies:** PHP(Netcat cms, Yii), MySQL, jQuery.

## **EDUCATION**

**PhD-candidate at Lodz University of Technology, Nonlinear Dynamics in Networks of Coupled Oscillators, Solitary & Chimera States**

October 2014 - till now

**Master of Science, Applied Math, National University of Kyiv-Mohyla Academy**

**Bachelor of Science, Applied Math, National University of Kyiv-Mohyla Academy**

