

# Pavel Vernigorov

Full-Stack Node.js Developer | Protocol Engineer | Reverse Engineer

Versatile Full-Stack Web Developer with a strong passion for cutting-edge technologies and a flair for tackling unconventional challenges. Proficient in Node.JS, JavaScript, TypeScript, and more. His favorite stack is MERN. Experienced in protocol engineering, e.g. TLS, HTTP/S, and SOCKS4/5. Skilled in building dynamic web applications. Open-source enthusiast, Sudoku solver, and aspiring polyglot. Web developer with 14 years of experience (since age 12).



## Contact

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### Github

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## Skills

- DevOps ●●●●●
- Human Skills ●●●●○
- Supervision ●●●●○
- Innovative ●●●●●

## Work History

### Lead Full-Stack Web Developer

Jan 2022 - Now

Bastyon Decentralized Social Network

Remote, International

At Bastyon, Pavel Vernigorov serves as a proactive Lead full-stack web developer, playing a crucial role in the development of this decentralized social-network. With its own blockchain and cryptocurrency PKOIN, Bastyon's open-source code faced challenges due to its low quality and messy state. Recognizing the potential for improvement, Pavel spearheaded the effort to optimize DevOps and the repository workflow, streamlining the development process for the entire team.

In addition to his leadership in DevOps, he provided guidance and supervision to several developers in the frontend team, fostering a collaborative environment that drove progress and innovation. His technical acumen and expertise in Electron.js, Node.js, Javascript, WebRTC, WebSocket, Git, FFMPEG, HTML5, and CSS3 enabled him to develop vital features on the platform. Notably, he successfully implemented client video transcoding via FFMPEG and added TOR network support to the Electron application, elevating user experiences and enhancing privacy.

Currently, he is actively working on a significant project, implementing peering video support on PeerJS, showcasing his dedication to pushing the boundaries of web technology and further advancing Bastyon's capabilities. His commitment to excellence and innovative approach continue to drive the growth and development of the Bastyon platform, shaping its evolution as a decentralized social-network with a bright future ahead.

### Web Developer | Protocol Engineer

Jan 2020 - Dec 2021

Startup Reyuno

Spain

As the founder of Reyuno, Pavel Vernigorov's notable accomplishment was the development of a low-level TLS library in Node.js, featuring support for the HTTP layer and SOCKS4/5 proxies. His dedication to excellence and thorough study of RFC documents were instrumental in achieving this milestone, ensuring secure and efficient communication for the project.



## Languages

English	Professional Working
Spanish	Limited Working
Russian	Native
Greek	Elementary
Japanese	Studying



## Experience

JavaScript	● ● ● ● ●
Node.js	● ● ● ● ●
Typescript	● ● ● ● ○
PHP	● ● ● ○ ○
Swift	● ○ ○ ○ ○
Java <small>Refactoring level</small>	● ○ ○ ○ ○
HTML5/CSS3	● ● ● ● ●
LESS, SASS	● ● ● ● ○



## Technologies

React.js	● ● ● ○ ○
Vue.js	● ● ● ○ ○
Express.js	● ● ● ● ○
Socket.io	● ● ● ● ●
Webpack	● ● ● ● ○
Babel	● ● ● ● ○
Mocha + Chai	● ● ● ● ●
ServiceWorker	● ● ● ● ○
Electron	● ● ● ● ●

## Web Developer

2019 - 2020

*Startup React*

*Spain*

As the founder of React, he designed and developed a blockchain-based media authentication technology. In addition, Pavel was developing a mobile application based on Cordova, creating custom plugins using Swift and Java, which demonstrated his versatility in web and mobile technologies.

## Web Developer | Reverse Engineer

Jun 2018 - Sep 2018

*Startup Inzerto*

*Russia*

As the sole creator of Inzerto, Pavel Vernigorov designed and developed the small SPA web-application based on PHP, HTML5, and CSS3. His expertise in Java, Charles, Postman enabled him to successfully reverse engineer Android application private REST APIs and develop code based on gathered information. Inzerto showcases Pavel's entrepreneurial vision and technical skills as a solo developer.

## Web Developer

Apr 2015 - Dec 2015

*Startup Framox*

*Russia*

At Framox, Pavel Vernigorov excelled as a dedicated full-stack web developer, creating a website cloud crawler based on the Chrome browser. Technologies - Node.js, MongoDB, Express, Javascript, Socket.io and Chrome Extension API.

## Full-Stack Web Developer

Oct 2014 - Apr 2015

*Startup Punda*

*Russia*

Punda, a real-estate aggregator, was a collaborative project led by Pavel Vernigorov and his friends. Pavel's web development skills and his friends reverse-engineering reports were instrumental in creating a platform similar to Zillow.

## Full-Stack Web Developer

Apr 2015 - Jun 2015

*Votecall Diploma Thesis*

*Russia*

During his diploma thesis project, Pavel Vernigorov developed Votecall – a web-application for video conferencing. Leveraging WebRTC, Socket.io, Node.js, Javascript, HTML5, and CSS3, he crafted the signaling server, designed the app, and implemented crucial features. Pavel's project demonstrated his proficiency in real-time communication technologies and his commitment to delivering effective web solutions.

## Web Developer

2011 - 2014

*Aquastroy Ltd.*

*Russia*

During his time at Aquastroy Ltd., Pavel Vernigorov played a pivotal role as a web developer and designer. He was responsible for developing and managing the company's website, showcasing his expertise in PHP, MySQL, HTML, and CSS. Additionally, Pavel used his design skills to create captivating advertising and graphics that complemented the company's brand identity.