

Benjamin Berta

-  [About](#)
-  [Skills](#)
-  [Experience](#)
-  [Education](#)
-  [Contact](#)
-  [Download](#)

About Me

As a software engineer with over 5 years of experience, I have a strong background in backend development using NodeJS and TypeScript. My primary focus has been on building scalable, high-performance backend systems, with extensive experience working with blockchain protocols such as Bitcoin, Ethereum, and Tendermint. I am committed to continuously exploring new technologies and refining my skills to deliver efficient and innovative solutions. I am a quick learner and enjoy taking on challenging projects that broaden my knowledge and expertise.

Skills

Backend:

- Typescript, NodeJS, GraphQL, Rust, PostgreSQL, MongoDB, Docker, Kubernetes

Blockchain:

- Bitcoin, Ethereum, Rust, Solidity

Frontend:

- AngularJS, React, NextJS

Experience

• Full Stack Developer

Thentia, Zagreb, Croatia

October 2023 - now

- Product Development: Contributed to backend development using NodeJS, focusing on building scalable and efficient systems. Led efforts to refactor legacy PHP code into NodeJS, enhancing performance and maintainability.
- Document Examination Features: Added features like document examination with specific client requests, leading to increased client satisfaction and processing efficiency.
- Customized Solutions: Developed and customized solutions using NodeJS, Java, and AngularJS based on client business requirements, resulting in significant client retention and acquisition.
- Caching and Redis: Implemented caching strategies with Redis to optimize data retrieval and reduce database load, significantly improving application speed and responsiveness.
- Team Collaboration: Collaborated closely with a cross-functional team, enhancing productivity and ensuring on-time delivery of project milestones.

- Client Interaction: Engaged in client meetings to provide technical expertise, ensuring precise implementation of requirements.
- Mentoring: Supported junior developers, enhancing team skills and cohesion.

• **Mid Backend Developer**

Barrage, Osijek, Croatia

September 2022 - September 2023

Projects worked on:

- Crypto Exchange: Worked on a cryptocurrency and asset exchange platform with Typescript, GraphQL, gRPC, and a microservice architecture:
 - Backend Development: Developed and optimized key microservices using NodeJS and NextJS to handle trading, user authentication, and real-time data feeds.
 - API Design and Optimization: Designed RESTful and GraphQL APIs and leveraged gRPC for low-latency microservices communication.
 - NextJS Integration: Integrated NextJS for frontend rendering with fast loading times.
 - Real-Time Features: Implemented WebSocket connections for real-time trading data updates.
- GRN Grid Blockchain Protocol: Contributed to the development of the GRN Grid Blockchain Protocol as part of a team of six engineers:
 - Architecture and Consensus Design: Designed the network and consensus architecture with Rust and the fBFT algorithm.
 - Account and Data Management: Developed secure systems for account management and data storage.
 - System Optimization: Enhanced the protocol's performance and security.

• **Junior Backend Developer**

Barrage, Osijek, Croatia

November 2019 - September 2022

- Mining Performance Cloud: Enhanced backend with NodeJS, focusing on 2FA, notifications, and transaction performance.
- Crypto Wallet and Exchange: Contributed to email services, authentication, and KYC features using NodeJS.
- Travelspot: Helped design and implement backend architecture for a travel management platform using NodeJS.
- Ethereum Smart Contract Development: Developed an ERC721 contract with lazy mint functionality, integrating it with the frontend using web3.js and Vue.
- Secret Network Siena: Contributed to smart contracts on the Cosmos network with Rust, optimizing contract efficiency and security.

Education

• **Master's Degree, Electrical and Electronics Engineering**

FERIT, OSIJEK, September 2017 - September 2020

- **Bachelor's Degree, Electrical and Electronics Engineering**

FERIT, OSIJEK, September 2013 - September 2017

✿ Certificates

- **HEDERA CERTIFIED DEVELOPER**

The Hashgraph Association, Jan 2023

- **BLOCKCHAIN DEVELOPER**

Udacity, Aug 2021

🗣 Languages

- **Croatian**

Native speaker

- **English**

Daily use

✉ Contact Me

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