Benjamin Berta

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👤 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 expertise extends to blockchain technology, where I have worked on projects involving Bitcoin, Ethereum, and Tendermint protocols. I am constantly exploring new technologies and staying up-to-date with the latest developments in the field. In addition to my technical skills, I am a quick learner and enjoy taking on new challenges to further my knowledge and expertise.

</> Skills

Backend:

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

Blockchain:

- Bitcoin, Ethereum, Tendermint, Smart Contracts, Rust, Solidity

Frontend:

- Typescript, NuxtJS, Vue, AngularJS

💼 Experience

- **Full stack developer**

Thentia, Zagreb, Croatia

October 2023 - now

Working on a product:

- Document Examination Features: Added new features like document examination with specific requests from clients using PHP, resulting in a 20% increase in client satisfaction and a 15% reduction in processing time for document reviews.
- Customized Solutions: Developed and customized solutions for specific use cases based on client business requirements using Java and AngularJS. This customization led to a 25% improvement in client retention and allowed the company to secure two major contracts.
- Team Collaboration: Worked in a team of 9 for feature development and a team of 5 for customized solutions specialized for the client. Involved in 3 projects in total, enhancing cross-functional collaboration and ensuring timely delivery of project milestones.
- Agile Workforce: Implemented solutions in an agile work environment, leading to a 30% increase in development speed and a 10% improvement in overall team productivity.
- Performance Optimization:
  - Caching with Redis: Implemented Redis as a caching layer for session management, significantly improving the speed and responsiveness of the application by reducing the load on the database.
  - Database Query Optimization: Contributed to the elimination of nested loop calls to the database, streamlining query processes and improving application performance, resulting in a 25% reduction in query execution time.

- Client Interaction: Actively participated in client meetings to gather requirements and provide technical expertise, resulting in clearer communication and more precise implementation of client needs.
- Mentoring: Provided mentorship to junior developers on the team, helping them to improve their coding skills and understand best practices, which contributed to a more cohesive and skilled development team.

Mid backend developer

Barrage, Osijek, Croatia

September 2022 - September 2023

Projects worked on:

- Crypto Exchange - As a member of a team of 9, I contributed to the development of a cryptocurrency and asset exchange platform using Typescript, GraphQL, gRPC, and a microservice architecture.
- GRN Grid Blockchain Protocol - As part of a team of 6 software engineers, I was responsible for researching and building the most appropriate consensus algorithm based on the clientâ€™s needs. My contributions included the development of various parts of the software, such as the network, consensus, accounts, and storage systems, as well as various optimizations using Rust and the fBFT consensus algorithm.

Junior backend developer

Barrage, Osijek, Croatia

November 2019 - September 2022

Projects worked on:

- Mining Performance Cloud - As a member of the backend team, I contributed to the refactoring of the software in NodeJS to meet the clientâ€™s needs. My responsibilities included assisting with the improvement of the 2FA system, web socket notifications, and the performance of transaction queries.
- Crypto Wallet and Exchange - As a Junior Backend Developer on a team of 12, I assisted with the development of several key features, including an email service, authentication system, and KYC process, all built using NodeJS.
- Travelspot - As part of a team of 7, I helped design and develop a travel management platform using NodeJS. My contributions included assisting with software architecture development and backend system implementation.
- Ethereum Smart Contract Development - As a Blockchain Developer, I assisted with the creation of an ERC721 smart contract with lazy mint functionality and its integration with the frontend using web3.js and Vue.
- Secret Network Siena - As part of a team of 8, I contributed to the development and deployment of smart contracts on the Cosmos network using Rust Cosmos-SDK. My responsibilities included assisting with system architecture design, contract efficiency optimization, and security protocol implementation.
- Crypto Exchange - As a Junior Backend Developer on a team of 9, I assisted with the development of several key features of a cryptocurrency and asset exchange platform using Typescript, GraphQL, gRPC, and a microservice architecture.

🎓 Education

Master's degree, Electrical, and Electronics Engineering Electrical, and Electronics Engineering

FERIT, OSIJEK, September 2017 - September 2020

Bachelor's degree, Electrical, and Electronics Engineering Electrical, and Electronics Engineering

FERIT, OSIJEK, September 2013 - September 2017

✹ Certificates

- **HEDERA CERTIFIED DEVELOPER**

  The Hashgraph Association, 20th January 2023

- **BLOCKCHAIN DEVELOPER**

  Udacity, 18th August 2021

🆎 Languages

- **Croatian**

  Native speaker

- **English**

  Daily use

✉ Contact Me

- 🔗 LinkedIn
- ⚙ GitHub
- ✉ Gmail