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# Lukas deConantsesznak

## Senior Software Engineer II Web3 Explorer

Nashville, TN

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[Unassuming Dev - YouTube](#)

## SKILLS

**Rust | Go | Node.js | C# | Python**

**MySQL | PostgreSQL | MongoDB | Redis**

**React | TypeScript | Next.js | Redux**

**Solana | Crypto | DeFi**

**LangChain | GPT | NLP**

**Azure | AWS | GCP | Docker**

**Microservices | Apache Kafka | Apache Pulsar**

**GitHub Actions | Azure DevOps | CircleCI | Gitlab CI**

## OPEN SOURCE PROJECTS

**@metadaoproject/futarchy-sdk -**

<https://www.npmjs.com/package/@metadaoproject/futarchy-sdk> - An open source library allowing web3 developers to interface with MetaDAOs Futarchic Protocol.

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**lzw-compress** - <https://crates.io/crates/lzw-compress> - A Rust implementation of the Lempel–Ziv–Welch compression algorithm.

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**mcswap** - <https://github.com/LukasDeco/mcswap> - An SDK for the McSwap protocol enabling trustless P2P contracts on digital assets.

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**chain-status** - <https://github.com/LukasDeco/chain-status-extension> - A browser extension for displaying RPC endpoint statuses.

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## CAREER SUMMARY

Hello, I'm Lukas, a seasoned software engineer with a diverse background in various tech stacks and languages. I excel in quickly adapting and I have been greatly enjoying growing in the decentralized technology space. Proficient in Go, React, Rust, C#, Python, Node.js, TypeScript, JavaScript and ReScript to name a few.

### Key Strengths:

1. **Rapid Learning:** Known for having an insatiable appetite for learning and swiftly picking up new tech and paradigms.
2. **Design and Architecture:** Possess strong opinions on software design and architecture, emphasizing the importance of thoughtful decisions for long-term maintainability, reliability, and success.
3. **Soft Skills:** Proven ability to collaborate effectively, maintain a positive attitude, and demonstrate strong leadership. Consistently promoted in every role, with valuable experience leading teams.

**Impactful Contributor:** My core strengths consistently drive significant contributions to every organization I've been part of. Excited about the next career chapter, eager to learn, grow, and continue making a positive impact.

## EXPERIENCE

### WEB3 work

#### The Meta-DAO

Feb 2024 - Present - Senior Full Stack Engineer

- Lead developer on the Futarchy-as-a-Service project
- Implemented indexing layer for caching on-chain data inside DB
- Built out rust web service for tracking relevant user token balances
- Implemented Solana network RPC caching to reduce RPC bill by 70%
- Added crypto wallet token balance updates via WebSocket connection to replace manually fetching balances and reduce RPC calls further
- Fixed bugs regarding order cancellation and funds settlement
- Developed higher-level state management for on-chain order book asks and bids as well as user orders with statuses
- Implemented websockets for faster user order updates

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## WEB2 work

### Vroom, Remote

MAY 2022 - JAN 2024 - *Technical Lead*

- Lead regular architectural meetings to flush out plans for implementing features while keeping the system reliably and flexible without increasing tech debt
- Hit extremely aggressive project timeline by utilizing rule-engine library to quickly and scalably configure complex business logic
- Implemented pipelines to automatically generate swagger documentation for microservices, run integration tests based off swagger, and generate API clients based off swagger
- Lead a monthly backend-sync meeting with all backend engineers across the company
- Consistently advocated for software design best practices to reduce tech debt and keep the team nimble
- Conceived, designed, and built a stand-alone document requesting microservice that was truly decoupled and offered solutions for multiple domains at Vroom
- Developed and managed shared npm and Golang libraries across the org
- Eliminated problematic cron jobs by advocating for and implementing a future-events pattern

JAN 2022 - May 2022 - *Senior Full Stack Software Engineer*

- Built customer-facing features across multiple Next.js micro-frontends
- Improved Jest unit test code coverage
- Built endpoints and event consumers on multiple golang microservices
- Innovated on our document collection pipeline by utilizing AWS OCR
- Pushed various initiatives to eliminate tech debt and create a more stable architecture

### Autobooks, Detroit, Michigan

MAR 2021 - JAN 2022 - *Lead Developer*

- Interfaced with product team to understand project requirements
- Writing technical documentation to breakdown product's project requirements for my team
- Delivered a complex project faster than the committed to timeline with virtually no tech debt
- Planned the reduction of technical debt within our React codebase
- Designed software implementation plans for our C#/.NET backend using SOLID and DDD principles

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- Mentored developers via pair programming, weekly 1:1s, and performance reviews
  - Used lunch-and-learns to educate rest of company on new features my team implements
  - Interfaced with 3rd parties to get questions answered about API implementation
  - Advocated for improvements of the tech stack across the team (e.g. TypeScript vs ReScript, queue-based vs http-based service communication)

FEB 2020 - MAR 2021 - *Software Developer*

- Built out new features for the React-based accounting/banking application
- Fixed UI logic application bugs
- Optimized accessibility and utilized screen-readers for accessibility testing tools
- Converted from legacy class-components to function, hook-based components
- Wrote codemod scripts to enable mass refactoring
- Implemented React context for state management
- Converted components from TypeScript to ReScript
- Utilized Jest and RTL to write unit tests
- Integrated with backend Rest API endpoints
- Wrote .NET payments integration for instant payments
- Wrote .NET unit tests with Moq framework

## **OneParish, South Bend, Indiana**

JUN 2019 - FEB 2020 - *Full Stack Web Developer*

- Planned out new products with Lead Software Architect/Founder
- Converted product plans into executable steps for both REST API design as well as UI design
- Brokedown API build into manageable tasks in JIRA and assign to Junior Developer
- Turned UI product plans into fully-detailed UI designs
- Planned out Vue.js components from UI designs and then build actual front-end application with assistance from Junior Developers
- Trained extensively and managed Junior Developers

OCT 2018 - JUN 2019 - *Junior Web Developer*

- Designed and build Express REST API's for a variety of web applications
- Connected various Vue.js front-end applications to our Express API
- Wrote scripts to maintain and clean MongoDB database

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- Designed and built UIs for an email builder and an analytic reporting builder
  - Designed and built workflows for text-to-subscribe SMS subscription services using Twilio and webhooks
  - Created fully-detailed UI mock-ups using Adobe XD
  - Planned out most efficient and performant way to build UI's using component libraries for Vue like Vue Material
  - Managed data and API architecture for payment processing with WePay including:
    - Allowing users to save credit cards, link bank accounts, and make donations
    - Giving church staff the ability to add deposit accounts to receive donations
  - Wrote cron job to pull deposit account withdrawal data and reconcile withdrawals with donations.
  - Built customizable reports with Chart.js to view donation trends and deposit reports.
  - Built out email workflows using SendGrid API

## EDUCATION

**Western Washington University, Bellingham, WA** - *B.A. in Business/Marketing with a minor in Psychology.*

Graduated June 2014