Lukas deConantsesznak

Senior Software Engineer

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TECH STACK

Golang | **Rust** | **C#** | **Node.js**

MySQL | **PostgreSQL** | **MongoDB** | **Redis**

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

Azure | **AWS** | **GCP** | **Digital Ocean** | **Terraform**

Software Design | **Software Architecture**

Microservices | **Apache Kafka** | **Apache Pulsar**

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

PROJECTS

lzw-compress

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

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slicefuncs

https://github.com/LukasDeco/slicefuncs - A simple Golang library for some functional programming functions on slices.

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token-buddy

https://crates.io/crates/token-buddy - A Rust library for generating cryptographic tokens or authentication and other users.

CAREER SUMMARY

As the title of this resume states, my name is Lukas and I am a seasoned software engineer who has worked across a wide range of tech stacks and programming languages. I would like to highlight the distinctive strengths I believe set me apart.

Firstly, I love picking up new technologies and I am able to work in almost any area of the tech stack. I have always enjoyed doing a variety of things from designing backend APIs, to building CI/CD pipelines, to working on UI code. I began with an all-JavaScript focus by working in mainly Vue and Node, but throughout my career, I have been able to quickly become proficient in other backend languages like C#, Go, and Rust. Whenever I have started at a new company, I have been told by management or team members that I pick things up very quickly. This ability to learn fast has allowed me to grow a significant repertoire of skills that make me useful in a wide range of tech stacks.

Secondly, I have strong, thought-out opinions about software design and architecture. I have spent much time in my career researching, reading, and thinking about software design and architecture. Software design choices have a significant impact on the health of the technology organization, the happiness of the team members, and the ability of the business to achieve goals. For these reasons, I never underestimate the importance of quality design up-front. I sometimes get pushback on trying to achieve an ideal solution instead of just getting an MVP out the door. However, I know the difference between building over-engineered solutions that waste resources in their development and building a flexible solution that can be easily modified and allow the team to quickly meet business goals. Modifiability is a must for new software features because the only constant is change, and to not prepare for change is to go slow.

Finally, my soft skills are also part of my main strengths. I collaborate well with team members and I focus on bringing a positive attitude to work. These soft skills are a big part of what has enabled me to achieve promotions at every company I have worked at. My soft skills have also granted me the privilege of leading teams and gaining valuable leadership experience.

My core strengths have allowed me to make a significant impact at every organization I've been a part of. I'm looking forward to the next chapter in my career where I can continue to learn, grow, and contribute.

EXPERIENCE

Vroom, Remote

MAY 2022 - PRESENT - *Technical Lead*

- Devising plans to meet aggressive business goals while building scalable systems
- Leading architectural discussions and weekly architectural meetings
- Utilizing rule-engine libraries to deliver extremely complicated projects within aggressive timelines
- Implementing pipelines to automatically generate swagger documentation for microservices and generate API clients based off swagger
- Managing domain tech debt and advocating for sprint tech debt scope
- Creating tech specs and executing on tech vision
- Developing and managing shared npm and Golang libraries across the org
- Introducing new technologies to automate development and business processes

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

- Working across multiple Next.js micro-frontends built in React and TypeScript
- Improving Jest unit test code coverage
- Working on various Golang microservices leveraging both synchronous HTTP-based and asynchronous event-based communication
- Innovating on our document collection pipeline by utilizing AWS OCR
- Pushing various initiatives to eliminate tech debt and create a more stable architecture

Autobooks, Detroit, Michigan

MAR 2021 - JAN 2022 - *Lead Developer*

- Interfacing with product team to understand project requirements
- Writing technical documentation to breakdown product's project requirements for my team
- Planning the reduction of technical debt within our React codebase
- Designing software implementation plans for our C#/.NET backend using SOLID and DDD principles
- Mentoring developers via pair programming, weekly 1:1s, and performance reviews
- Using lunch-and-learns to educate rest of company on new features my team implements
- Interfacing with 3rd parties to get questions answered about API implementation

- Advocating for improvements of the tech stack across the team (e.g. TypeScript vs ReScript, queue-based vs http-based service communication)
- Writing documentation to summarize and communicate completed work performed by my team

FEB 2020 - MAR 2021 - *Software Developer*

- Building out new features for the React-based accounting/banking application
- Fixing UI logic application bugs
- Optimizing accessibility and utilizing screen-readers for accessibility testing tools
- Converting from legacy class-components to function, hook-based components
- Writing codemod scripts to enable mass refactoring
- Implementing React context for state management
- Converting components from TypeScript to ReScript
- Utilizing Jest and RTL to write unit tests
- Integrating with backend Rest API endpoints
- Writing .NET payments integration for instant payments
- Writing .NET unit tests with Moq framework

OneParish, South Bend, Indiana- *Job Title*

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

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

OCT 2018 - JUN 2019 - *Junior Web Developer*

- Design and build Express REST API's for a variety of web applications
- Connect various Vue.js front-end applications to our Express API
- Write scripts to maintain and clean MongoDB database
- Design and build workflows for text-to-subscribe SMS subscription services using Twilio and webhooks
- Create fully-detailed UI mock-ups using Adobe XD
- Plan out most efficient and performant way to build UI's using component libraries for Vue like Vue Material
- Manage 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
- Write chron job to pull deposit account withdrawal data and reconcile withdrawals with donations.
- Building customizable reports with Chart.js to view donation trends and deposit reports.
- Build 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