

New Showcases Booklet



Cloud Infrastructure &
DevOps + Automation &
Frontend Development &
Enterprise UX.



Modern Software Development

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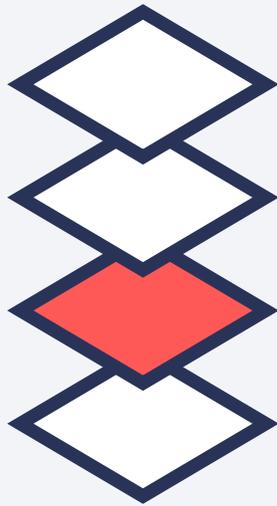




Photo by Emily Sanburg,
Unsplash

“ Zest

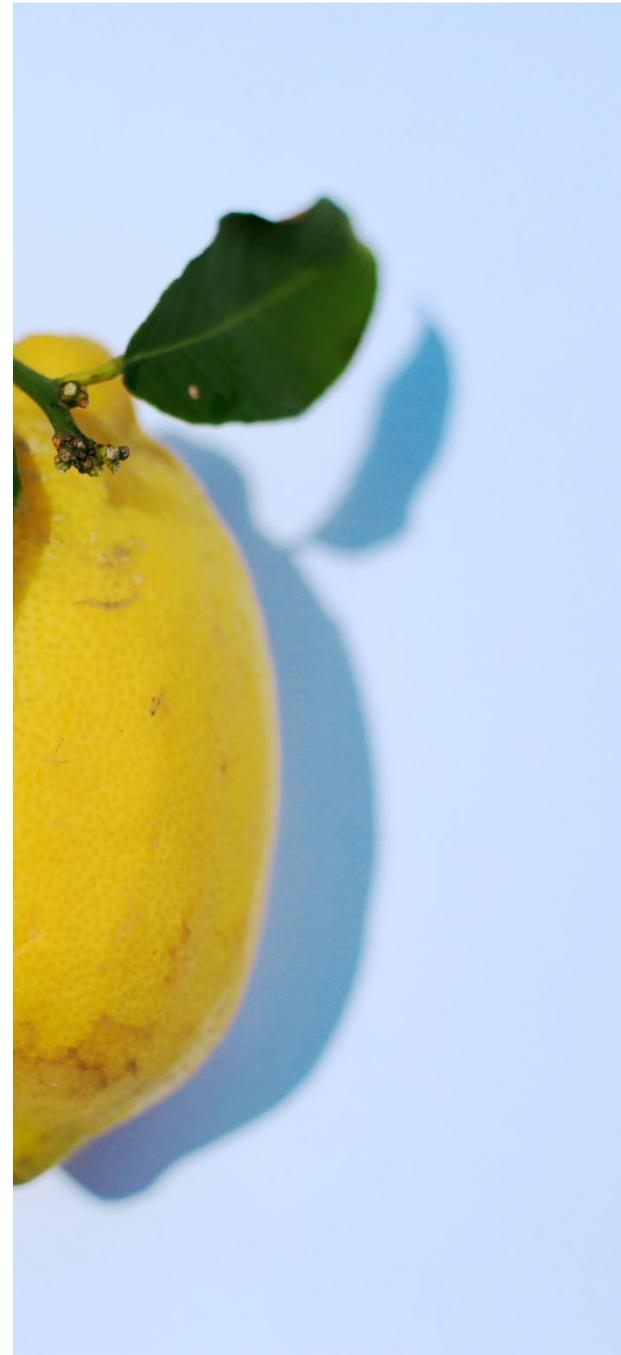
(noun) [zɛst]

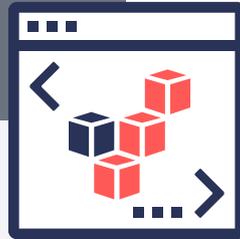
- 1 Great enthusiasm, eagerness and energy.
- 2 Spice, special ingredient.

They approached every task with a boundless zest.

We Provide Leading-Edge Infrastructure Know-How, so You Can Build Tomorrow's Business

We consider the prevention of technical debt and the reduction of unplanned work to be prerequisites of innovation. Only by breaking the cycles of constant firefighting can we truly focus on what is important, instead of what appears urgent. This is why sustainable IT and software design, and the automation of infrastructure are at the core of everything we do. Working at Zest Labs means to become an architect of dependability. We believe in the transformational capabilities of technology and made it our mission to enable organizations to achieve digital excellence.





Cloud Hosting

We help you tame the beast that is modern cloud hosting—by leveraging the best services for your needs and securing your data, all while reducing operational costs.

Complete Cloud Design, Fully Aligned with Modern Best Practices

Our team has in-depth experience in migrating workloads to the cloud, running highly available systems reliably, optimizing costs, and reducing technical debt. Let us help you make the right choice, so your business can thrive on top of leading-edge, flexible, and affordable infrastructure.

We create your infrastructure for you, or we support you with migrating, operating, or upgrading the existing one. We strongly believe in treating your infrastructure as code and we use best-in-class tools to build automated and immutable infrastructure.

Zest Labs regularly carries out cloud projects for small startups to mid- to large-sized enterprises from around the world. Our expertise includes a wide array of topics and technologies:

- **AWS, Azure, and other cloud providers**
- **Infrastructure as Code, Terraform, Terragrunt, CDK, Ansible**
- **From basic services to serverless application stacks**



Field-proven and cost-effective:
Leverage Zest Labs Cloud
technology and expertise to
build the Cloud infrastructure
that your business deserves.

Photo by Jake Nebov,
Unsplash

Experience Showcase

Cloud Hosting

- Zest Labs enabled one of its largest enterprise customers (40k+ developers) to deliver a large-scale solution both as SaaS (AWS) and on-premise Kubernetes deployment. The solution involved a complex mixture of application services written in Go, Java, an Kotlin, and persistent services like Cassandra, Kafka, and Redis.
- We participated in the design and deployment of a highly sophisticated testing system on Azure that was targeting a Track & Trace solution, by providing critical consultation on the cost effectiveness of the architecture.
- Zest Labs are operating several SaaS solutions in the Cloud, **handling thousands of requests per day.** We are specialized in designing systems to be secure, reliable, and cost-effective.



Automation and CI/CD

Zest Labs helps your teams automate development, deployment, and operation processes, freeing them up to focus on building software, rather than running it.

Smooth Deployments and Self-Healing Infrastructure

We love automation and reducing manual efforts during software development; this is why we appreciate good CI/CD pipelines that enable teams to have fast builds, test integrations and easy deployments, so developers can focus on building software, rather than on building and testing it. We also focus on building small and secured container images, to enable quick deployments and minimal security risks for your applications.

If you share our views, but need help achieving those goals, reach out to us so that we can help you with:

- CI/CD pipelines with GitLab CI, GitHub Actions, Jenkins, Drone
- Deployments leveraging FluxCD, Helm, Kustomize
- Containerizing existing applications written in Java, Node JS, Python, and Golang

ZEST
Labs

IT'S
NOT DONE
UNTIL IT'S
AUTOMATED

ZESTLABS.IO

IT wOrKs On
My MaChInE

ZESTLABS.IO



GitLab



kubernetes



amazon
web services

Experience Showcase

Automation and CI/CD

- All Kubernetes installations that are at our hands are deployed and supported using GitOps
- Zest Labs has supported the CI/CD activities of a startup based on GitHub and Drone
- We have automated more than 50 projects using GitLab CI with FluxCD and Kubernetes

We can help you reduce repetitive, manual work and increase the development velocity of your teams, while improving the stability of your products and services.



Kubernetes

While very convenient and widely used, Kubernetes can be hard to master. We can help with migrating to Kubernetes—or with improving and expanding existing deployments.

We Can Help You Migrate to Kubernetes, or Improve Your Existing Deployments

Kubernetes adoption is quickly increasing amongst all company sizes, especially since most cloud providers started offering managed services for Kubernetes. While getting an application up and running can seem easy, running it reliably and in a cost-effective manner can still remain a challenge. We can help you get the most out of any Kubernetes cluster, regardless of what your application load or goal is.

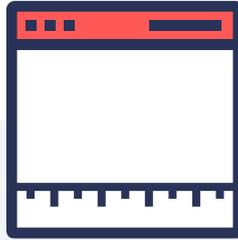
Our expertise:

- Managed (EKS, ASK, Kapsule)
- Self-hosted (Kubeadm, Rancher)
- Sizing and Scaling
- High Availability
- Security and Secret Management
- Ingress controllers, observability, CI/CD integration

Our experience includes helping large enterprises with:

- **Setting up,**
- **Monitoring, and**
- **Maintaining**

multiple clusters in Amazon Web Services and on-prem.



Observability and Monitoring

We enable your teams to effectively reduce MTTR (mean time to repair) and increase MTBF (mean time between failures) with the right infrastructure and tools.

We can help you get insights on anything that is happening inside your infrastructure and application stack

No-one likes being woken up in the middle of the night to troubleshoot an error in a production environment. While impossible to avoid completely, we can help teams make that experience as painless as possible, by ensuring they have all the necessary information to quickly identify the problem which can hopefully enable them to resolve it in a timely manner.

- **Centralized Logging with Loki and Promtail**
- **Distributed Tracing with Jaeger and X-Ray**
- **Metrics with Prometheus**
- **Dashboards with Grafana**

Zest Labs has helped many of its customers to increase the visibility of both their infrastructure and their applications in an efficient and cost-effective manner:

- Zest labs has implemented Audit logs for several customers, which enabled them to monitor user activity and search for specific events in the past
- The company has helped customers troubleshoot their Prometheus deployments and streamline the collection of metrics
- The team has built a plethora of dashboards for different use cases, ranging from standard infrastructure to specific applications



Application Design and Implementation

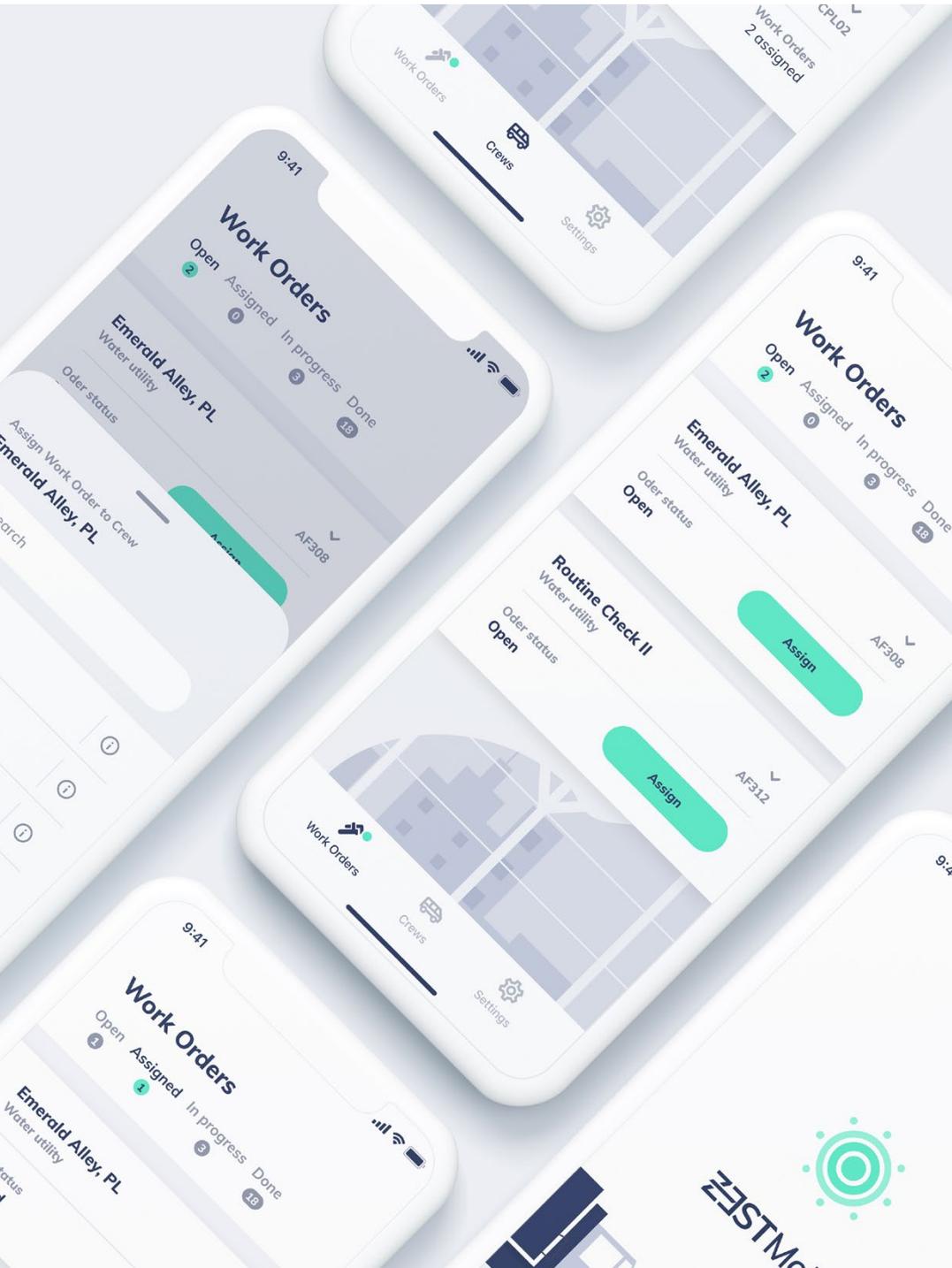
Migrate legacy apps,
or start from scratch

State of the Art App Development Based on Reliable Tech Stacks

To build a software solution and provide it as a service to your customers, you need to ensure that it is highly available, reliable, secure, and can scale as quickly as your business. At the same time, it should cost as little as possible, so your product can remain competitive.

We can help you achieve these goals by sharing with you our experience with building such systems:

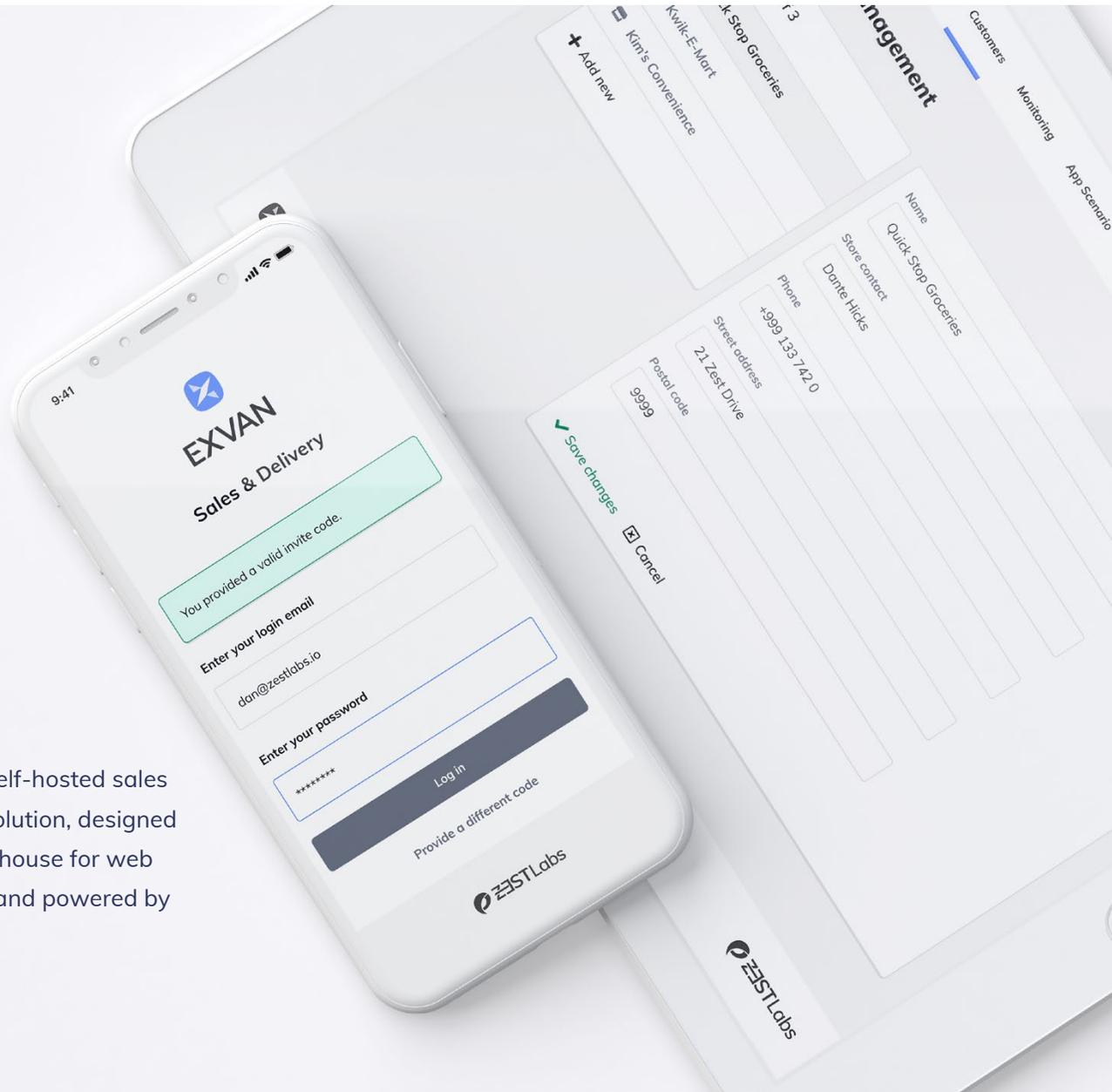
- Backend services with Golang, Java, or Node JS
- Web and mobile applications based on React, React Native, Svelte, or Ruby on Rails
- Persistence in PostgreSQL, Cassandra, DynamoDB, Redis, etc.
- Service communication over REST, gRPC, or GraphQL
- Service integration through Kafka, Zookeeper, Consul, NATS
- Workflow implementation with open-source engines
- Consumer-grade experience design principles



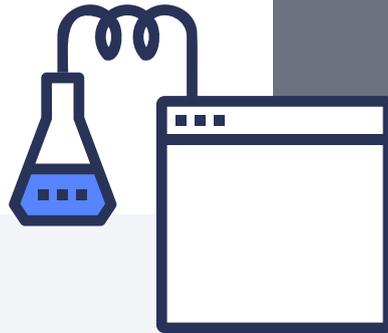
Our team has extensive experience with developing and designing SaaS applications, be it the migration of legacy code or designing entirely new systems from scratch.

Experience Showcase: App Development

- We helped large enterprise customers redesign applications regarding Authentication and Monitoring modules.
- Zest Labs participated in several projects for mitigating security risks in modules written in Go, Typescript, and Java – this included replacing old library versions, checking for security vulnerabilities, and upgrading modules addressing deprecated Kubernetes APIs.
- Zest Labs participated in a project for evaluating complex interactions of enterprise mobile apps.
- We created several mobile POCs for enterprise customers (including UI/UX design, mobile app development, and backend data integration using AWS services) with React Native and Flutter.
- The Zest Labs team is participating in the development of a Track and Trace solution, working both on backend and mobile modules.
- The team has migrated several WordPress pages to use AWS serverless technologies, greatly reducing the maintenance and support cost, while maintaining all the necessary functionality and improving usability and UX of the products.
- Zest Labs maintains a SaaS solution for mobile Ex Van Sales and Direct Store Delivery scenarios.
- The company joined the efforts of developing new functionalities for a project in the health care sector, contributing full stack development based on Ruby on Rails and React.
- Zest Labs owns and maintains **airtape.co**, a remote browser-based podcasting solution.



Exvan is a self-hosted sales & delivery solution, designed and built in-house for web and mobile and powered by Zest Cloud.



Modern Frontend Practices

At Zest Labs, we are constantly improving our ways of working. We streamlined our frontend development processes through Design Codification and are able to offer consulting services and workshops in the area of design-and-development collaboration.

From Handoff to Collaboration: Design Codification

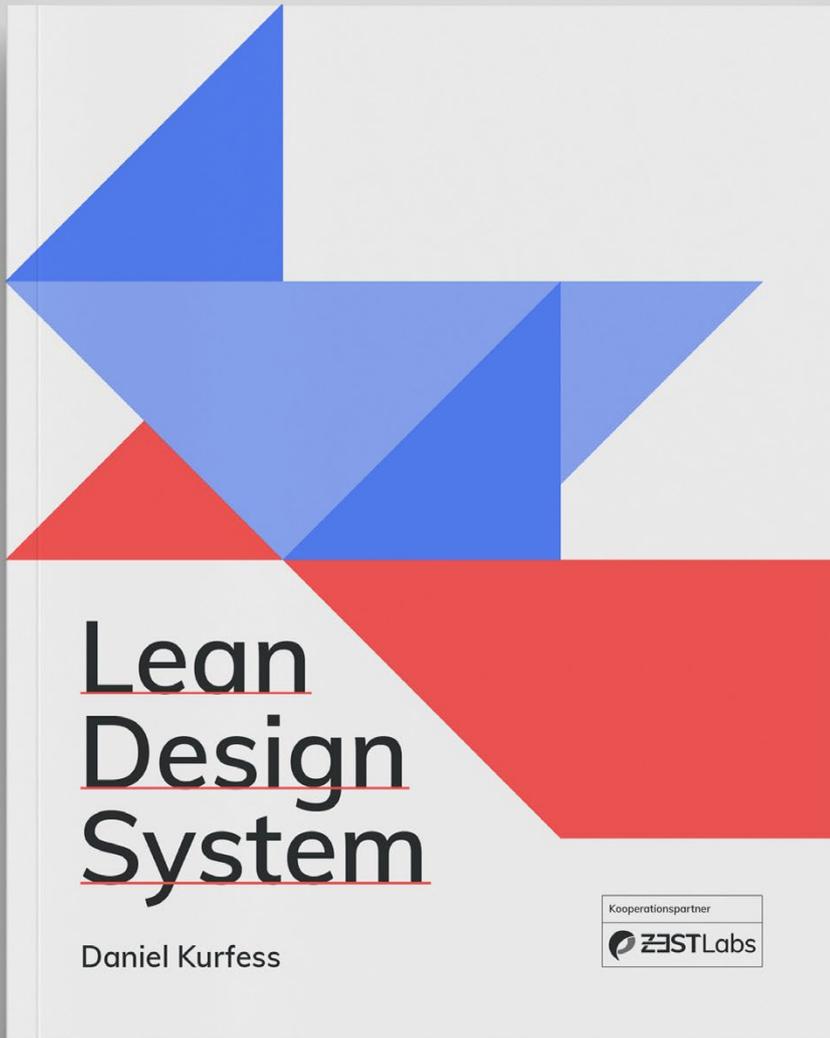
It may be one of the oldest questions in digital product development:

“Should designers code or not?”

Unfortunately, it rarely leads to good answers. Instead, we should ask ourselves how we can create an environment that allows for seamless collaboration across domains – and how we can share ownership of UI components regardless of our backgrounds. Modern frontend practices and new paradigms such as Design Tokens can serve as a framework for such an environment, while Design Codification – as a guid-

ing principle – can provide the glue that holds everything together. We are offering workshops and services that will help you eliminate bottlenecks and establish a shared language between your designers and frontend developers.

- **Modern SASS/SCSS architecture with Design Variables (Design Tokens)**
- **Naming conventions, such as Block-Element-Modifier (BEM)**
- **Adopting Design System principles incrementally**



Our frontend development practices are based on the Lean Design System methodology, which was developed in collaboration with us.

leandesignsystem.org

Experience Showcase

Modern Frontend Practices

We are offering a design and development collaboration workshop that aims to improve design consistency and ensure long-term scalability in digital product teams. Topics include:

- Introduction to design systems and the Lean Design System methodology
- Introduction to Design Codification and Design Variables (Design Tokens)
- Introduction to naming conventions (such as BEM) and their adoption across design and code repositories
- Collaborative frontend practices built around modern tools like Figma and GitLab

The workshop consists of presentations, discussions, and practical exercises. It can be booked in English and German and is available to (ideally cross-functional) teams of 2 to 20 designers and frontend developers. Topics and exercises are tailored to your situation.

What Our Customers Are Saying

Dr. Peter Grigoriev, CTO

The logo for Kvinta, featuring the word "KVINTA" in a bold, sans-serif font. The letter "K" is stylized with a white outline and a dark fill, and the "V" is also stylized with a white outline and a dark fill.

"Kvinta is a relatively new company, developing a Track & Trace SaaS solution. Since the inception of Kvinta, Zest Labs has been providing exceptional services to us, including consulting on cloud architecture, mobility integration, security and authentication, UI/UX, and business process know-how. Zest Lab's performance has always been to our full satisfaction, and regularly even exceeds our expectations. We are happy to have Zest Labs as our reliable partners and good friends!"

Josh Beam, Dir of Operations



"Zest Labs was able to provide specialized work in the area of enterprise mobility in a critical project phase. They were quick and effective, showing a high level of expertise in both the technical and the business process area. We're looking forward to working with them again on future projects."

Goran Dosev, Founder



"At Furisto, we are building a solution for food purchasing and delivery for toddlers and kids. Our customers are both individual families who on a daily basis want a well-balanced, freshly prepared meal for their children, or kindergartens and similar institutions who need to provide meals to large groups of children every day. From our early days we partnered with Zest Labs to build a mobile solution for our delivery drivers. Using their product Zest Cloud, we were able to have a solution up and running in just a few weeks, which perfectly matched our expectations, is tightly integrated into our system, and offers a great user experience, which is something our drivers appreciate."

Zest Labs in the Media



com! professional DevOps: In the Fast Lane

Web Article, German

com-magazin.de/news/devops/devops-ueberhol-spur-2716405.html



Futurice Learning from Lean Design Systems

Blog Post, English

futurice.com/blog/working-at-futurice-learning-and-improving-together



HeleCloud Talking Cloud with Nick & Vassil

Video Podcast Episode, English

youtube.com/watch?v=ko_uBzml2wg





Supported Technologies, Frameworks, and Methodologies

An Overview of Our Core Competencies

If you can't find the item you are looking for, just ask—we are constantly adding new areas of expertise to our portfolio and chances are, we will be able to assist you.

Backend & DevOps

- AWS (Amazon Web Services)
- Azure
- Cassandra
- Consul
- Docker, Docker Compose
- Go
- Grafana
- Java
- Kafka
- Kotlin
- Kubernetes
- Loki
- Node.js
- NATS
- Prometheus
- Ruby On Rails
- Terraform
- Terragrunt

Frontend

- Android native development
(Drivers, Libraries) - integration
with React and Flutter
- JavaScript
- React, React Native
- SASS/SCSS & BEM
(Block Element Modifier)
- Svelte, SvelteKit
- Tailwind CSS
- TypeScript
- Enterprise UI/UX Consultation



zestlabs.io

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