Engineer Software

Built the entire core infrastructure from scratch

As one of the first hires, designed and built the entire core infrastructure and supporting processes from scratch for a green-energy SaaS startup, laying the foundation for rapid growth.

2022 – 2024

a startup's whole foundation, from scratch

Situation. This was a green-energy SaaS startup with a promising idea and essentially no technical foundation under it yet. Coming in as one of the first hires meant the stage where there's nothing to maintain because nothing exists — building the ground everyone else will stand on.

Task. Building the core infrastructure and the processes around it, from scratch, was the job.

Action. The entire core infrastructure and its supporting processes were designed and built — the servers, the networks, the data flow, the security, the operations side. Doing that at a startup means making decisions that are hard to unmake later, so the goal wasn't just "get something running," it was to lay a foundation that could take the weight of rapid growth without needing to be ripped out the moment the company got bigger. Early infrastructure choices either become the thing that lets you scale or the thing you spend a year undoing; the aim was firmly the first kind.

Result. The startup came away with a solid technical foundation, and it's what let the business grow quickly afterward. Being the person who builds that base from nothing is a particular kind of responsibility — get it right and nobody notices, get it wrong and everyone does — and this one held up.

Bring this experience to your project

Use “Built the entire core infrastructure from scratch” as a starting point for a similar challenge in your organisation. The services behind this work are available for your project. The shape of a system worked out on paper first, so the parts fit and the cost is known before anyone writes code.

Explore our services Get in touch →

Look behind the result

Read the situation, decisions and result in this example. We can discuss which parts transfer to your constraints and which need another approach. Built the entire core infrastructure from scratch — a startup's whole foundation, from scratch

Explore our services Get in touch →

Starting from zero and need it done right?

Talk through your project with the engineer responsible for delivery. We agree the scope, price basis and handover in writing before work begins.

Role context: System Architect. It draws on Platform Architecture, Solution Architecture, DevOps, Infrastructure, Cloud, Security and System Administration. And while you are here, we are rather good at Platform & Solution Architecture, Cloud Infrastructure & Migration, DevOps & CI/CD Automation and System Administration.

Get in touch Explore our services

One piece of **a longer record** — and it is all on this site.

Every entry is written the same way: the situation, the task, what we did and what changed.

See the whole record

Define the improvement you need

Describe the workflow, the existing interfaces and the users who need the change. We can define a testable delivery and a handover that lets your team maintain it.

See what it costs Get in touch →

Starting from zero and need it done right?

Ask about the decisions behind “Built the entire core infrastructure from scratch”. You will speak with the people who can explain the work and assess your own project.

Explore our services

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Contact card

Carefully Crafted With Love by D.

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