

Mads Tinko Madsen

Frontend Lead & Design-Systems Engineer

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SUMMARY

Frontend Lead and Design-Systems Engineer with ten years of frontend experience, apprenticeship-trained (Datatekniker med speciale i programmering, 2024). Currently leading the frontend for EngiiCore, a multi-tenant Angular platform architected from scratch. Specializes in frontend architecture, design systems and token architecture, and developer-facing tooling (custom lint rules, CI/CD, testing infrastructure).

EXPERIENCE

Frontend Lead — Engii-Soft

2024 – Present

- Architected and bootstrapped EngiiCore, a multi-tenant Angular 22 platform, from scratch (see Case Study).
- Lead the frontend team; own architecture, code review, CI/CD, repository administration, and the design-token/theming system.
- Built the gRPC/Connect service layer, the generic component library foundation, and a custom set of ESLint rules enforcing the architecture.

Apprentice Developer (Datatekniker læreplads) — Hartvig Consult 2023 – 2024

- Put in charge of frontend development for the team — this is where full-time, day-to-day Angular work started in earnest, including Angular Material component work.

Apprentice Developer (Datatekniker læreplads) — IT Klyngen

2021 – 2023

- Developed a CMS system in PHP/Symfony (with Doctrine/ORM) for building client websites through an admin panel with minimal code input.

EDUCATION

Datatekniker med speciale i programmering

— Six-year apprenticeship, incl. SKP & workplace training

2019 – 2024

Only student in the cohort focused on frontend; picked up backend, design systems and full-stack thinking on top of it.

Web-integrator — Roskilde Tekniske Skole

2015 – 2017

SKILLS

Frontend

- Angular (12→22 migration experience)
- TypeScript
- RxJS & Signals
- SCSS/CSS
- Responsive design
- Design systems & theming/token architecture
- Component-library architecture (generic, config-driven components)

Practices & Tooling

- Design patterns
- SOLID
- Clean architecture

Backend / Full-Stack

- C#/.NET
- Node.js
- gRPC/Connect
- ORMs
- PHP/Symfony
- SQL

CS Fundamentals (public repos available on request)

- Data structures & algorithms
- Cryptography (symmetric/asymmetric, hashing &

- Testing (Vitest, Playwright)
- CI/CD pipeline design
- DevOps
- Custom lint tooling / architecture-as-lint
- salting)
- Computer architecture (Nand2Tetris)
- Object-oriented design