

Software Architect - AI-driven Legacy Modernization

Some of the most critical applications in Danish banking run on technology that predates modern engineering practices. In the Reduce Legacy Tribe, you will help change that — applying AI, automation and thoughtful architecture to make modernisation faster, safer and repeatable. This is engineering work with real consequences, and you will see the results.

What you will be doing

You will join a collaborative squad working across teams to modernise business-critical web applications serving advisors, business customers and private customers. This is a practical software architecture role, not an Enterprise Architecture position.

You will analyse codebases, design migration patterns and develop reusable tooling with engineers, translating technical understanding into architecture decisions that guide day-to-day work. Working closely with development and delivery teams, you will shape solutions, discuss trade-offs and resolve implementation questions to make migration approaches workable.

Development teams retain ownership of implementation and delivery; your role is to help them turn complex modernisation challenges into practical solutions.

More specifically, you will:

- Analyse legacy code, dependencies and business flows to choose realistic migration strategies
- Design gradual replacements and rebuild where direct migration would carry complexity forward
- Develop reusable migration patterns, transition designs and developer tooling with teams
- Explore AI agents for analysis, component generation, testing and migration verification

- Reduce lead time through automated quality checks and safer, smaller deployments

About you

- Practical software engineering background, for example as a software architect, lead engineer or senior software engineer
- Strong understanding of end-to-end application design, including frontends, APIs, security, testing and observability
- Ability to read and understand an existing codebase and assess when to migrate, simplify or rebuild
- Clear communicator who can summarise complex topics and discuss trade-offs with engineers
- Understanding of AI-assisted development: how to guide agents, assess generated code and validate results

Experience with legacy modernisation, reusable migration tooling or our stack (React, .NET BFF services, Kubernetes, mainframe integration and GitHub Actions) is a plus. Comparable technologies are equally relevant, and we value the perspective you bring from different environments.

What we offer you

You will work primarily from our Aarhus or Copenhagen office, with the flexibility to work from home up to two days per week. You will tackle difficult engineering problems with visible results on applications used by thousands of customers, working alongside engineers who are genuinely curious about what AI can do for modernisation.

There is real room to grow your architectural thinking and broaden your experience with emerging development practices.

Are you ready for the next step?

If you are ready to take on complex engineering challenges and help shape the path forward for critical banking applications, we would be glad to hear from you. Reach out to hiring manager Ole Bang Fredsø Weigelt at owei@danskebank.dk if you have any questions.

We review applications on an ongoing basis, so we encourage you to apply as soon as possible or by 1 December 2026 at the latest.

We look forward to hearing from you!

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