

Morten Olsen

Senior Software Engineer

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Software engineer based in Copenhagen with 15+ years of experience designing systems across frontend, mobile, backend, infrastructure, and AI product teams. I specialize in architecture and system design across product and platform boundaries, creating systems with clear seams, useful abstractions, and room to evolve.

01

EXPERIENCE

Mar 2025
Present

ZeroNorth

Senior Software Engineer @ AI Team

Python / LangChain / Bedrock / Terraform / GitHub Actions

May 2023
Mar 2025

ZeroNorth

Senior Software Engineer @ Voyage Optimisation

TypeScript / .NET / NodeJS / Tailwind / React / Redux /
RxJS / Terraform / AWS / GitHub Actions

Jan 2022
May 2023

ZeroNorth

Senior Software Engineer @ Vessel Reporting Team

At ZeroNorth, I develop and maintain a NextJS-based, offline-first PWA for on-vessel reporting, and enhance report processing infrastructure using Terraform and NodeJS.

TypeScript / NextJS / NodeJS / Terraform / AWS / GitLab

Jan 2018
Dec 2021

Sampension

Senior Frontend Developer

At Sampension, a Danish pension fund, I designed and helped build a cross-platform frontend architecture using React Native and React Native for Web, ensuring a unified, maintainable codebase for native iOS, Android, and web applications across devices.

TypeScript / React Native / Redux / Gatsby

Jan 2016
Dec 2017

Trendsales

Frontend Technical Lead

In 2015, I spearheaded the creation of a new frontend architecture for Trendsales, leading to the development of m.trendsales.dk, using React and Redux, and devising bespoke frameworks for navigation, flexible routing, skeleton page transitions, and integrating workflows across systems like Github, Jira, Octopus Deploy, AppVeyor, and Docker.

React / PhoneGap / Redux

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SKILLS

DevOps

Kubernetes / Docker / ArgoCD /
Terraform / GitHub Actions / AWS

Service development

TypeScript / Node.js / Fastify /
PostgreSQL / tRPC / Knex.js / Prisma
/ Vitest / Apollo / .Net / Rust /
Python / FastAPI / LangChain

Web Development

React / TypeScript / RTK / React
Query / Tailwind CSS / Storybook /
React Testing Library / Vite /
Webpack / Next.js / Astro

Mobile development

TypeScript / React Native / Expo /
React Navigation / Xamarian

03

PROFILE

I specialize in architecture and system design across product and platform boundaries. The surface area may be frontend, backend, infrastructure, or the seams between them; the work is the same: clear boundaries, operable services, resilient product flows, and choices teams can keep evolving after the first version ships.

Oct 2012
Dec 2015

Trendsales

iOS and Android Developer

I led the development of a new Xamarin-based iOS app from scratch at Trendsales, including a supporting API and backend work. The app reached monthly usage of over 15 million screen views and 1.5 million sessions monthly.

Xamarin / .NET WebAPI / Microsoft SQL / Android Java SDK

Mar 2012
Sep 2012

Trendsales

Web Developer

At Trendsales, I started with a part-time role focused on maintaining the API for the iOS app, eventually diversifying my responsibilities to include broader platform development, allocating 25-50% of my time to the API.

.NET MVC / Microsoft SQL / ASP

Jun 2010
Feb 2012

BilZonen

Web Developer

As a part-time web developer at bilzonen.dk, I managed both routine maintenance and major projects like new modules and integrations, introduced a custom provider-model system in .NET (C#) for data management, and established the development environment, including server setup and custom tools for building and testing.

.NET / UmbracoCMS