

JON KARLSEN

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SUMMARY

Senior engineer, five years shipping full-stack systems, with AWS and Terraform as the infra platform. Led the cloud migration at Azets — cut operational costs by a third, rebuilt the observability story, and tripled team velocity along the way. Comfortable owning a system from proof-of-concept through production and the stakeholder meetings on either side of it.

SKILLS

Languages/DB: TypeScript, C#, Python, SQL, PostgreSQL, MSSQL, MongoDB

Stack: Next.js, Remix, React, Nuxt, Astro, Node, .NET, AWS, Terraform, Docker, CI/CD, system design

Spoken: Norwegian (native), English (fluent), Swedish (fluent), Korean (intermediate)

WORK EXPERIENCE

Azets Document Solutions | Lead Software Engineer

Jan 2025 - Aug 2025

- Led the full rollout of the cloud-based document processing system based on prior POC, replacing legacy on-premise infrastructure and achieving a 35% reduction in operational costs
- Expanded the internal monitoring tool into a full operations suite, freeing around 15 hours per week across departments and improving incident response time by 30%
- Shifted the team from individual contributors to a collaborative, knowledge-sharing team by codifying and implementing technical standards and mentoring junior developers

Azets Document Solutions | Software Engineer

Jun 2022 - Jan 2025

- Initiated and led a proof-of-concept project for cloud infrastructure modernisation using Terraform, demonstrating high availability and projecting a 40% cost reduction—results which secured leadership buy-in and laid the foundation for full production rollout
- Reduced average troubleshooting time of operational incidents by 50% and improved system observability for support staff and management by developing an internal tool to monitor and aggregate distributed system logs
- Set up a development workflow based on automated testing, CI/CD, and learning-focused code reviews, increasing team velocity by 3x and significantly improving product and code quality while also reducing time spent troubleshooting

LittleFish | Software Engineer

Nov 2020 - Jun 2022

- Reduced order fulfilment time by 10% by creating a workflow-optimised warehouse management application interfacing with customer's enterprise resource planning system
- Migrated an in-house HR application from .NET Framework to .NET Core, improving maintainability and unblocking further development
- Lowered the occurrences of production bugs by 10% and regression issues by 25% by moving business logic from SQL stored procedures into C# code as well as using automated testing and version control

SIDE PROJECTS - jon-karlsen.dev/projects

Haechi · haechi.jon-karlsen.dev

Oct 2025 - present

Korean grammar study with spaced repetition. FSRS-5 scheduler shared between client and server, IndexedDB offline cache behind a DataProvider abstraction that keeps local, server, and syncing modes cleanly separated. Built for my own Korean study in Seoul.

Odin · odin.jon-karlsen.dev

Feb 2026 - present

GitHub/Railway mission control. Claude triages PRs and CI across every repo you care about, with real-time WebSocket alerts and AI post-mortems on failed deploys. Nuxt 4, Postgres with inline row-level security via Drizzle's pgPolicy(), Stripe billing across three tiers.

AlgoTutor · algo.jon-karlsen.dev

Feb 2026 - present

Algorithm reference with integrated spaced repetition — interview prep that reads like a textbook instead of a grind. Astro SSR, FSRS-5 scheduling, Claude Haiku generates practical and conceptual cards, KaTeX renders Knuth-style proofs and flowcharts.

EDUCATION

OpenClassrooms | Full-Stack Web Development

Feb 2019 - Oct 2021