Jarl Gjessing

Senior Full-Stack Engineer · AI-first

Email: jarlgjessing@gmail.com | Phone: +45 60 72 17 16 | Location: Frederikssund, Greater Copenhagen
Portfolio: portfolio.cloudfors.com | LinkedIn: linkedin.com/in/jarlgjessing | GitHub: github.com/jegjessing

SUMMARY

Senior full-stack engineer with 30 years building production software end to end — from embedded firmware through Laravel / REST cloud platforms serving ~1M+ requests/day. PHP/Laravel at the core; language-agnostic by temperament and quick to ramp on new stacks. **AI-first in practice:** I build my own AI developer tooling on the Anthropic Claude API and structure codebases so AI coding agents can work in them safely. I want to stay hands-on — writing code, owning systems, close to the product.

SKILLS

Core: PHP, Laravel, MySQL / MariaDB, REST APIs, System integration, Linux (advanced)

Frontend: TypeScript, Angular, React

DevOps & infra: Docker, CI/CD (Jenkins), Cloud (Azure, AWS)

IoT / embedded: C, C++, custom sensor hardware and firmware

AI tooling: Anthropic Claude API, AI coding agents, agent-ready codebases

Also: Kafka & event-driven, Java, C# / .NET, Python, MongoDB

EXPERIENCE

Senior Software Engineer — **RISMA Systems** Aug 2024 – Aug 2026

- Owned a multi-tenant SaaS compliance / GRC backend in **PHP / Laravel**: feature delivery, code review, and systematic troubleshooting in production.
- Enforced **~83% business-logic test coverage** through pre-push Git hooks — quality as a gate, not an afterthought.

Independent Software Engineer — **self-employed** 2022 – Present

- Full-time hands-on development of the **CloudFors** platform — Laravel / REST backend and embedded firmware (see Projects).
- Sole developer of a full-stack IoT monitoring platform for the client **Legtech** — ongoing freelance engagement (see Projects).

Delivery Lead — **Pufin IT** 2021 – 2022

- Led delivery of a production robotics integration, including timelines and stakeholder coordination.

Senior Developer & Tech Lead — **SimpleSite** Oct 2019 – Aug 2021

- Built web applications in C#; led release processes and coordinated the development team.

Senior Developer, Architect & Project Lead — **various companies** 1996 – 2018

- **Obviux (gas billing, used by Ørsted):** built high-volume invoicing in PHP — **~200,000 invoices/month across ~150,000 accounts**.
- 20+ years hands-on across PHP, software architecture, Linux and system integration.

SELECTED PROJECTS

CloudFors — **independent IoT product** 2018 – Present

- Built and run the entire technical platform single-handedly: custom sensor hardware and embedded firmware feeding a **Laravel / REST** cloud backend handling **~1M+ requests/day** — hardware, firmware, API, data pipeline, Docker deployment and Jenkins CI.

Legtech — **full-stack IoT platform (freelance client)** 2022 – Present

- Designed and built an entire multi-tenant IoT monitoring platform single-handedly for a paying client: a **Laravel / REST** backend (JWT auth, activity logging, Excel export) modelling devices, jobs, alerts and threshold limits, with an **Angular / TypeScript** SPA on top — live telemetry on Leaflet maps, ApexCharts dashboards and an installable PWA. Runs on **Docker** with local-to-production parity; I keep it current (planned its PHP 8.5 / Laravel 13 upgrade).

AutoFixNplusOne — **AI developer tool**

- A Laravel Artisan command that turns recorded N+1 query warnings into applied Eloquent fixes via the Anthropic Claude API (I also forked the N+1 detector to support current Laravel). I structure repositories (`CLAUDE.md` / `.claude`) so AI coding agents can operate in them safely.

EDUCATION & CERTIFICATIONS

Modern Leadership (Moderne Ledelse) — **Konpa** 2023

Electronics Technician (Elektroniktekniker) — **Frederiksberg Tekniske Skole** 1994 – 1996

- Certified ScrumMaster (2015) · ISTQB Software Tester (2010) · Widevine Implementation Partner (2012)

LANGUAGES

Danish — native · English — professional · Norwegian