

Christopher Hærem

Senior Full-Stack Engineer | Tech Lead & Consultant

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Professional Summary

Senior Full-Stack Engineer with 4+ years of experience delivering high-impact solutions for major clients in utilities and government sectors. Currently working as a consultant at Computas AS, leading architecture and hands-on development of identity platforms, event-driven microservices, and secure data-sharing tools. Proven track record as Tech Lead for mission-critical authentication systems and modernization of legacy applications. Passionate about knowledge sharing and community building as leader of Computas' AI & Data professional network. Holds an M.Sc. in Computer Science with focus on security.

Key Competencies

- **Backend Development:** .NET (C#), Java, Kotlin, Go, Python
- **Cloud & DevOps:** Kubernetes, Docker, Azure (AKS), GCP, Terraform, Vault
- **Identity & Security:** OAuth2, OIDC, Passkeys, BankID/ID-porten integration
- **Architecture:** Event-driven microservices, RESTful APIs, Kafka
- **Frontend:** React, Angular, Vue.js, Next.js
- **Data & AI:** Machine learning, TensorFlow, Elasticsearch

Professional Experience

Computas AS — Senior Full-Stack Engineer / Consultant

August 2021 – Present

Delivering software solutions to external clients across various industries.

Key Client Projects:

Elvia – ElvID Identity Platform

Nov 2023 – Present

Tech Lead & Lead Developer

ElvID is Elvia's centralized identity platform providing single sign-on for electricity customers, internal staff, and machine-to-machine integrations. Built on Duende IdentityServer 4 and running on AKS.

- Leading overall development, operations, and technical architecture as primary developer
- Migrated authentication from Signicat to ID-porten
- Implemented FREG (Norwegian National Registry) lookup for customer data
- Introduced Passkey support for phishing-resistant biometric authentication
- Established new integration with Maskinporten for authentication against public services

Tech Stack: .NET 6, Duende IdentityServer, AKS, Azure SQL, Terraform, Vault, Grafana, Kafka

Elvia – OneTime Secret Sharing Service

Mar 2025 – Present

Developer

Internal secure encryption tool based on Yopass for sharing text and attachments via email and SMS.

- Refactored and rewrote entire codebase for improved structure and testability
- Implemented support for sharing encrypted secrets via SMS and email integration
- Added Cloudmersive virus scanning for file attachments
- Optimized Redis eviction policies

Tech Stack: Go, Vue 3, Redis, Docker, Kubernetes

Elvia – Unified Messaging Platform (Convey)

Dec 2023 – Present

Developer

Central messaging service ensuring unified communication across all systems, replacing legacy Salesforce platform.

- Developed email service with SendGrid integration
- Co-designed service mesh and observability strategy in AKS
- Built on .NET microservice architecture with Kafka queue technology

Tech Stack: ASP.NET Core, Kafka, AKS, Docker, Terraform, Vault, REST APIs, SendGrid

Norwegian Police IT – UTSYS

Sep 2021 – Oct 2023

Functional Architect & Full-Stack Developer

Modernization of Police Immigration Service's core case-processing system, migrating from monolithic to microservices.

- Designed target architecture and migration roadmap for legacy system modernization
- Developed document storage API with Elasticsearch full-text search
- Implemented HashiCorp Vault for secure secrets management
- Set up GitLab CI/CD pipelines and Docker-based development environment

Tech Stack: C#, .NET 6, SQL Server, Elasticsearch, Kubernetes, Docker, Vault, Angular, GitLab

Norconsult AS — System Consultant / Project Manager

February 2017 – February 2020

- Workday HR Implementation (2017-2019): Led enterprise-wide HR system migration
- CV Generation Tool (2019): Project manager for automated CV system integrated with Workday
- Developed VBA automation scripts and API design for personnel data retrieval

Education

M.Sc. in Computer Science (Security Focus) 2019 – 2021
University of Bergen
Thesis: "Private File Retrieval with Generative Adversarial Networks" at Simula Research Laboratory

B.Sc. in Computer Science 2017 – 2019
University of Bergen

Additional Studies
University of Oslo - Informatics with focus on Nanotechnology (2016-2017)
BI Norwegian Business School - Business Administration (2015-2016)

Internal Projects @ Computas AS

- **Music Jeopardy** (2023): Interactive quiz app for university recruitment (React, Next.js, Vercel, Pusher)
- **Run For Me** (2023): Charity app integrating Strava API (Kotlin, Spring Boot, Google Cloud Run)
- **HR Dashboard** (2020): Employee data visualization with ETL pipeline (Java, Spring Boot, Kubernetes)

Roles & Responsibilities

Leader, AI & Data Professional Network at Computas 2024 – Present

- Organize monthly knowledge-sharing sessions focused on AI agents
- Plan and facilitate workshops/talks for internal and external knowledge events
- Drive competence development agenda for the network

Workshop Presenter: "AI Developer Tools" 2023

Certifications & Training

- **Power BI Data Analyst** - Glasspaper (2023)
Comprehensive course covering data modeling, DAX, visualizations, and dashboard design
- **Agile Team Leadership** - Computas (2022)
Training in agile methodologies, team dynamics, and leadership in software development contexts
- **Consultancy School** - Computas (2025)
Internal program covering consulting skills, client communication, and project management

Languages

Norwegian: Native **English:** Fluent **Spanish:** Intermediate