

# Christopher Hærem

Senior Full-Stack Engineer | Tech Lead & Consultant

Oslo, Norway

chris.haerem@gmail.com

GitHub: CHaerem    LinkedIn: chaerem



## Professional Summary

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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

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- **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

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### 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*

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** **(Part-time/Summer intern)**

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

## **Gi Gaven Videre, gigavenvidere.no (Pro-bono)**

2023

- Assisted in creating semi-automated settlement-workflows in Google App Scripts for the charity platform
- Implemented support for generated Vipps QR code in their digital giftcard

*Tech Stack: Javascript, Google Apps Script, Sanity*

## **Internal Projects @ Computas AS**

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- **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)

# Education

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**M.Sc. in Computer Science (Security)** 2019 – 2021  
University of Bergen  
Thesis: "Neural Networks for Lossy Weakly-Private Information Retrieval" at Simula Research Laboratory. Private File Retrieval with Generative Adversarial Networks.

**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)

# Roles & Responsibilities

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**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

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- **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

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