

Baldur Logi Gautason, Software Engineer

Copenhagen, Denmark | baldurgautason@gmail.com | +4555205185

[Portfolio](#) | [LinkedIn](#) | [GitHub](#)

Profile

Software Engineer with dual degrees in Computer Science and Engineering Management, specializing in data infrastructure, backend systems, and cloud-native deployments. Experienced in owning production-grade data pipelines, solving performance bottlenecks at scale, and deploying reliable systems in regulated financial environments.

Experience

Software Engineer, Predicti - Copenhagen Oct 2025 – Present

- Build and own production data pipelines as the sole data engineer on a 3-person team (with tech lead and 2 data scientists), transforming financial data into predictive insights for Nordic financial institutions.
- Develop ETL applications in Python processing 5GB+ zip files and JSON datasets up to 100GB (100M+ records) from Danish and Swedish markets, streaming structured events through Kafka.
- Solved complex performance challenges including memory optimization, parallelization and indexing strategies to efficiently process large-scale financial datasets.
- Manage end-to-end deployment using Docker, Kubernetes, Terraform, and ArgoCD; monitor pipeline reliability with Grafana and Prometheus on AWS.

DevOps Developer, Forsia Forsikring - Copenhagen Oct 2023 – Apr 2025

- Reduced deployment package size by 95 % and average deployment time by 75 % through GitHub Actions CI/CD pipeline improvements, significantly optimizing resource usage and minimizing downtime.
- Introduced GitFlow workflow and trunk-based release tags, reducing merge conflicts and enabling daily production deployments.
- Led cloud migration project with Oracle partners, moving core system from local hosting to Oracle OCI cloud with zero downtime for 50 k+ users.
- Cultivated strong vendor relationships by implementing a feedback system, leading to improved SLA compliance and faster issue resolution.

Personal Projects

- Re-platformed and modernized a 12-page legacy site to React + Vite + Tailwind CSS with full responsiveness, achieving Lighthouse scores of 95+ for performance, accessibility, and SEO.
- Developed a React-based facilities management application for service businesses, implementing CRUD functionality, dynamic open/closed status based on working hours, business rule enforcement, and client-side data persistence.
- Built a full-stack patient management system using NestJS + React (via Next.js), implementing JWT authentication, role-based access control, and secure CRUD operations for sensitive patient records.

Education

Reykjavík University, B.Sc. in Computer Science Aug 2020 – Jun 2023

- Dean's List (Fall 2022) | Final Project: Mars Rover Analog² (A+)

Reykjavík University, B.Sc. in Engineering Management Aug 2019 – Jun 2022

Skills

Data & Backend: Python, Kafka, ETL pipelines, PostgreSQL, RESTful APIs

DevOps & Cloud: Docker, Kubernetes, Terraform, ArgoCD, AWS, GitHub Actions, Linux, Shell scripting

Front-end: JavaScript, TypeScript, React, Next.js, Vite, Tailwind CSS

Tools & Platforms: Grafana, Prometheus, Cloudinary, Figma, Jira, Vercel

Languages

Icelandic: Native | **English:** Full professional (C1/C2) | **Danish:** Upper-intermediate (B2)