

Jens Roland

Platform Builder, Cloud and Data Specialist, and Relentless Optimizer

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EXPERIENCE

ZeroNorth — Director of Engineering

JUNE 2022 - PRESENT

ZeroNorth helps shipping companies plan and optimise their operations through machine learning, its mission to *make global shipping green*.

Shaping and evangelising new standards, templates and workflows that maximise ZeroNorth's ability to deliver code and architecture cost-efficiently and with high quality. Solving problems, writing clean, efficient code, and utilising new techniques and technology. Designing, developing and maintaining technical solutions, whether it be POCs, MVPs, or fully-fledged product offerings.

RaySearch Laboratories — Senior Cloud & Data Engineer

FEBRUARY 2020 - MAY 2022

Cloud & Data Engineer on RayIntelligence, a healthcare data analytics SaaS tool aimed at improving cancer treatment with data & ML.

Responsibilities include solution architecture and implementation on AWS for data landing, pipelining, and serving; application development for the products in the RayIntelligence suite; as well as DevOps tooling and optimization.

Electrolux — Lead Data Engineer / Architect

JANUARY 2018 - JANUARY 2020

Led the Global Data Science data engineering team that designed and built the company's data lake and analytical platform for machine learning on the Azure cloud. Helped establish Electrolux' official presence and architecture on AWS, and worked closely with leadership to define the company's cloud strategy, API strategy, cloud security policy, and more.

Accenture — Manager, Big Data & Advanced Analytics

MAY 2017 - DECEMBER 2017

Managed teams of Big Data architects, designers and developers at large enterprise customers within media and telecommunications.

AudienceProject — Data Platform Lead / Deputy Head of Development

SEPTEMBER 2013 - MARCH 2017

Technical lead for AudienceReport, an ad analytics SaaS platform processing >500M events/day, used by YouTube (Google/Alphabet), Facebook (Meta), GroupM, Coca-Cola, and many other global brands.

SKILLS – LEADERSHIP

Technical product leadership, Recruiting, Communication, Cloud & Data strategy, Lean & Agile software development, Managing remote-first / distributed teams.

SKILLS – TECH

SaaS, Cloud (AWS), Big Data, DevOps, ML enablement, UX, Analytics, Data platforms, Web Application engineering, Web Security, Automation, Scaling, Performance optimization.

Languages: Most recently Python, JavaScript, SQL, and some C#, Java, PHP.

PUBLISHED IN PRINT

Euro Jazz, political debate book, 2000 (co-author)

153 Artifacts from the future, emerging technologies book, 2005 (author)

Xpector Magazine issue #5, innovation quarterly publication, 2008 (editor)

LANGUAGES

English (fluent), Danish (native), Swedish (conversational)

EDUCATION

University of Aarhus, Denmark — B.Sc., Computer Science

AUGUST 2003 - AUGUST 2007

GPA: 9.5. Thesis project: *Building a compiler for a subset of Java.*

Rosborg Amtsgymnasium, Vejle — Matematisk Studentereksamen

AUGUST 1997 - JULY 2000

GPA: 10.0. Final paper: *Proving the correctness of RSA.*

PROJECTS

AudienceReport — big data platform (2014)

Cloud platform for advanced multi-dimensional web traffic analytics, including storage, ETL data pipelines and analytics engine, which:

- Increased report generation speed 200x, from >25 minutes to an average of 6.75 seconds.
- Dropped average data freshness from 4 days to 15 minutes.
- Reduced costs by more than 80%.

Tomahawk aka 'T2' — Frontend web framework (2012)

High-performance web application framework built from scratch with a custom .NET-to-frontend-component compiler, which:

- Removed a critical development bottleneck by enabling backend developers to build frontend components in their .
- Drastically improved long term application performance, reliability, and maintainability.
- Remained in production as Trendsales' core front end framework from 2012 - 2019.