# Martin Karlsson

## Software Engineer / Fullstack Developer

Full-stack engineer with nearly two decades in telecom, IoT and cloud platforms, moving from network operations and incident management to Salesforce architecture and product engineering. Today I build developer tools and AI agent workflows with TypeScript and React.


LOCATION Karlskrona, Sweden
WEB orecus.io
GITHUB github.com/orecus
LINKEDIN martin-karlsson

Swedish (Native) English (Fluent)


## SKILLS & EXPERTISE

**Languages**
TypeScript · JavaScript · SQL · HTML/CSS · APEX · Bash

**Frontend**
React · Next.js · TailwindCSS · shadcn/ui · Mantine.dev · React-Admin · XYFlow

**Backend & Data**
Node.js · NestJS · Express · Convex.dev · PostgreSQL · OpenSearch · InfluxDB

**Cloud & DevOps**
Docker · Kubernetes · AWS · Git · GitHub · Grafana

**AI & LLM**
Vercel AI SDK · OpenRouter · MCP · ACP

**Salesforce**
LWC · Flow · Integrations · Administration

## EXPERIENCE

### Software Engineer
January 2022 — Present (4 years 9 months)

**Lolo Company** Stockholm, Sweden (Remote)

Working with and evolving a cloud-agnostic visual iFaaS platform, enabling rapid serverless Node.js backend generation.

- Led the frontend redesign of Lolo Code
- Provided high-level technical consultancy to B2B clients
- Engineered bespoke serverless solutions for B2B clients, leveraging the platform's capabilities to solve complex business problems

### Board Member & IT Responsible
Summer 2024 — Summer 2026 (2 years)

**Friluftsförskolan Nätet** Karlskrona, Sweden

Voluntary board member (föreningsarbete) for a local preschool, responsible for IT strategy and infrastructure.

- Directed the organization's IT strategy, ensuring robust infrastructure and operational continuity for staff and administration
- Developed 'SoS - Stäng och Städ' as a custom full-stack web application to digitize and streamline scheduling and duty management

### System Specialist
January 2016 — January 2022 (6 years)

**Telenor Connexion / Telenor IoT** Karlskrona, Sweden

Led architectural decisions and development for mission-critical internal systems within a global IoT connectivity provider.

- Served as Lead Architect and Salesforce Developer, driving process automation and internal system modernization
- Appointed to the Architecture Board, governing technical standards and integration strategies for enterprise-grade projects
- Designed and built a comprehensive Project Management System in Salesforce, harmonizing Agile and Waterfall methodologies
- Developed a custom Access Management System using React and Node.js to centralize and secure employee resource provisioning

### Incident Manager
August 2014 — January 2016 (1 year 5 months)

**Telenor Connexion / Telenor IoT** Karlskrona, Sweden

Orchestrated high-stakes incident response for enterprise IoT customers.

- Led the resolution of critical incidents for global enterprise customers, minimizing downtime and SLA breaches
- Facilitated cross-functional communication between technical engineering teams and business stakeholders during high-pressure outages

### M2M Support Specialist

January 2010 — August 2014 (4 years 7 months)

**Telenor Connexion / Telenor IoT** Karlskrona, Sweden

Provided technical support and monitoring for M2M/IoT connectivity.

- Investigated B2B customer issues across multiple BSS systems
- Handled customer communication from first report to resolution
- Reported and followed up tickets and issues

### Network Operations Technician

April 2007 — January 2010 (2 years 9 months)

**Telenor Sweden AB** Karlskrona, Sweden

Ensured stability and performance of nationwide telecommunications networks.

- Monitored and maintained the integrity of 2G/3G network infrastructure, conducting advanced troubleshooting and resolution
- Developed a bespoke shift scheduling system, modernizing workforce management
- Engineered a SMS notification system for field technicians, improving operational visibility and safety

## KEY PROJECTS

### Lolo Code IDE

Visual iFaaS platform for building cloud-agnostic serverless NodeJS backends using nodes and flows

React · XYFlow · Redux · TypeScript · Mantine.dev

### Network Monitoring

Real-time monitoring solution for network device usage and performance metrics

React · Mantine.dev · OpenSearch · Kubernetes · Docker · SNMP

### Project Management

Custom project management system supporting both Agile and Waterfall methodologies built in Salesforce

Salesforce · APEX · LWC · JavaScript

## EDUCATION & CERTIFICATIONS

### Datasystem Management

2005 — 2007

**University of Kristianstad** Kristianstad, Sweden

IT studies with focus on systems and infrastructure management.

IT-Security · IT-Management · Information Technology and Information Systems

### Salesforce Certified Administrator (Certification)

September 2018 — Present

**Salesforce**

## PERSONAL PROJECTS

### Faber

AI architect desktop app that orchestrates coding agents through structured, task-driven workflows

github.com/orecus/faber

Tauri · Rust · React · TypeScript · SQLite · Tailwind CSS · shadcn/ui · Zustand · xterm.js

- Git worktree isolation enables parallel AI agent work without conflicts
- Embedded MCP server for real-time agent progress reporting and coordination
- Cross-platform desktop app with Tauri combining Rust backend and React frontend

### Wattklok

Free, private calculator that shows whether solar panels, a home battery, or both pay off for your home

wattklok.vercel.app/en

Next.js · TypeScript · Tailwind CSS · shadcn/ui · Zustand · Recharts · next-intl · Vercel

- Simulates every hour of up to five years of your own history in a Web Worker – nothing is stored on a server
- Imports Tibber via OAuth2 PKCE, or grid-operator CSV/Excel files from Sweden, Norway, Finland and Denmark
- Compares battery strategies and system sizes against real spot prices, grid fees, VAT and subsidies