
Joakim Olsson

DevOps engineer

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PROFILE

I am a highly motivated, very experienced and driven systems architect and developer with a passion for technology and everything related to software development. Always looking for a challenge that can improve my technical and business knowledge.

My experience and technical interest has led me towards Team Lead/Architect roles. I've been mentoring development teams, teaching Test Driven Development and the importance of Continuous Integration and Delivery at all the businesses I've worked with. My goal is always to develop systems better and faster, using agile methodologies to improve the team's performance in order to build high quality software.

My tech-stack of choice currently is Kubernetes for container orchestration, Go for backend services, RabbitMQ for messaging between backend services, GraphQL for APIs and Vue or React for frontends.

EXPERIENCE

smart Europe GmbH – *Platform engineer*

APR 2023 – CURRENT

Responsible for building and maintaining foundational infrastructure and tools that enables the remaining development teams to build, test and deliver software efficiently. Part of the architecture team crafting architectural guardrails that align technological decisions with business strategies.

Technologies: AWS, org-formation for account management, CDK+Pulumi for IaC, Golang for tooling and some services, Buildkite for CI/CD with dynamic pipelines and tailor-made plugins, Kubernetes, Git, SonarQube, AWS CodeGuru Security, Renovate, JFrog Artifactory, Datadog for observability, AWS IAM Identity Center.

Paidit – *DevOps consultant*

MAR 2019 – CURRENT

Development and maintenance of system for order management for restaurants and printing of orders in the kitchen, Various components in an event driven system where the backend components are built in NodeJS or Go, a couple of React- and Vue-clients as well as an Android app built in Kotlin. The whole system is deployed in Kubernetes running in AWS and uses RabbitMQ for asynchronous communication.

Goodfeed AB – *DevOps consultant*

JAN 2022 – CURRENT

Part-time work to develop a new platform for a startup, goodfeed.io.

Everything from design, development and operating the entire application.

Developed in Golang, Vue, Nuxt.js and Typescript using RabbitMQ and PostgreSQL The system is deployed in Kubernetes and the infrastructure is setup in AWS using Terraform.

Life Inside – *DevOps consultant*

JUL 2021 – CURRENT

Migrate application from Heroku to AWS and Kubernetes. Support developers in architectural questions.

Technologies: AWS, Terraform, Kubernetes, Golang, RabbitMQ, PostgreSQL, Microservices.

Plint AB – *DevOps consultant*

JUL 2021 – DEC 2023

Migration of legacy application to Kubernetes and setting up new infrastructure on AWS (using Terraform) with multiple clusters and monitoring. Introducing GitOps, using Github Actions, ArgoCD, Delivery-bot and other tools. Acting as mentor for both developers and the organization at large in DevOps methodology.

Autocom AB – *DevOps consultant*

JAN 2023 – APR 2023

Development and maintenance of vehicle diagnostics application. Acting as mentor for both developers and the organization at large in DevOps methodology.

Pink Nectarine Health AB – *Senior developer*

SEP 2021 – DEC 2021

Part of a small development team building backend services to ingest wristband data for AI analysis. Written in Go, with Kafka, MQTT and Postgres all running in Kubernetes on GCP.

SKF – *Senior developer and Devops consultant*

APR 2021 – JUN 2021

Part of a development team building services to ingest and analyse measurement data. Written in Go and using AWS services like SNS/SQS, ECS, Lambdas, Redshift

MATCHi – *Devops consultant*

SEP 2020 – MAR 2021

Transforming legacy application to Kubernetes. Building a new technology stack around event driven architecture with tools like Go, Kafka and RabbitMQ. The job also included setting up build automation, pipelines aiming for GitOps and setting up new infrastructure on AWS.

Srenity AB – *Devops consultant*

NOV 2019 – JUN 2020

Prestudy + proof of concept of IoT-platform for the real estate market built using Kubernetes, Fiware, Go, GraphQL

Inteleon AB (SMS Park) – *Devops consultant*

MAY 2019 – DEC 2019

Building area management for parking operators, technologies include Go, AWS, Docker, Kubernetes, Postgres.

Volvo Car Corporation – *Devops consultant*

DEC 2018 – MAY 2019

Building next generation scalable service platform using primarily Go, AWS, Kubernetes, Postgres.

Adfenix – *Devops consultant*

OCT 2017 – DEC 2018

Transforming the monolithic and unstable application into something that could scale both in terms of performance and in development speed. Technologies like AWS, Kubernetes, Docker, Scala, Akka, Postgres, RabbitMQ was used to build an event-driven and reactive platform in the cloud.

Volvo Car Retail Solutions – *Devops consultant*

MAY 2017 – OCT 2017

Converting an old monolithic application to a micro services architecture running in Kubernetes

SpeedLedger – *Devops consultant*

JAN 2017 – APR 2017

Accounting system for small to medium companies built using Scala, Java, AngularJS, Oracle and Docker

Kantar Sifo – *Devops consultant*

NOV 2014 – JAN 2017

Development of several internal tools using Scala, Akka, AngularJS, Docker, PostgreSQL, MSSQL and Oracle

SpeedLedger – *Devops consultant*

SEP 2014 – DEC 2014

Accounting system for small to medium companies built using Scala, Java, AngularJS, Oracle and Docker

Dualtech – *App developer*

SEP 2012 – FEB 2015

Development and maintenance of Android- and iOS-application for installation and management of IP-based alarms.

Volvo Car Corporation – *Senior developer*

2012 – 2014

Faulttracing and SWDL for SPA. Adjusting an existing system for handling software in vehicles to support the new platform as well as building a new authoring system for circuit diagrams and FMEA-information.

Volvo Car Corporation – *Senior developer*

2011 – 2011

Menupricing Capacity. Total rewrite of an import-application with a focus on performance and maintainability. A very successful project which was delivered on time, under budget, without major defects in production and more than 10000% improved performance compared to the old solution.

Teliasonera – *DevOps engineer*

2010 – 2011

Development/maintenance of integration platform for the company websites and services.

Kaprifolkött – *DevOps engineer*

2008 – 2011

Architecture, analysis, design and implementation of new web using Apache Tapestry 5, MySQL.

Trafikkontoret Göteborg – *Senior developer*

NOV 2009 – JAN 2010

Prototyping of Android application for travel-planning based on static and real-time data via webservices.

Västra Götalandsregionen och Landstinget Halland – *Senior developer*

AUG 2009 – JAN 2012

Development of web applications for internet and intranet. The web applications are based on an LDAP catalogue and provide search capabilities for person and unit related information. The project is an open source system and can therefore be used by other county councils with similar needs. Built using JavaEE, Spring (core, ldap, webflow, webmvc), LDAP, JSF.

Skatteverket – *Architect and senior developer*

JAN 2009 – JUN 2009

Architecture, analysis, design and implementation of system for handling allowances built using JavaEE, JPA, EJB2, Struts, Oracle.

Volvo IT – *Senior developer*

JAN 2000 – JUL 2000, FEB 2002 – DEC 2008

Development/maintenance of CRM-system for Volvo Cars. Integration with other Volvo-systems. Rollout of the system to new markets. Built using JavaEE, Oracle, Websphere MQ Series, Centura Team Developer, Unix/Linux shellscript (ksh/bash).

Borealis Petrokemi AB – *Senior developer*

1998 – 2009

Development/maintenance of salary system as well as a system for keeping track of chemical leaks built using Centura Team Developer, Oracle.

Tholin & Larsson AB – *Senior developer*

1998 – 2009

Development of statistics database and report client built using Centura Team Developer, Centura SQLBase.

Ericsson Microwave Systems AB – *Senior developer*

JAN 2001 – DEC 2001

Development of complex systems consisting of Fault Management-systems for alarm handling on PSTN and mobile phone systems. The handled alarms are in various formats which are converted to a common format which is forwarded to a central collector using Java/CORBA. Joakim was part of a team with responsibility for one of the collectors. Alarms were collected in text format in a multitude of formats and were then converted to the internal format used in the rest of the system. An object oriented design with a plugin-architecture was used to easily be able to add a new format or alarm method. The design is multi-threaded and scalable to multiple CPUs.

Svenska Bredbandsbolaget AB – *Senior developer*

DEC 2000 – JAN 2001

Development, implementation and test of IP-based WAP-camera using Java applications, Java Servlets and C++.

Rix Telecom AB – *Senior developer*

AUG 2000 – DEC 2000

Development and implementation of web and WAP-based email-service using Java Servlets, JavaMail and Caucho Resin in Linux/Windows-environment..

LINKS

<https://www.linkedin.com/in/joakim-olsson-78a9641>

<https://unbound.se>

<https://github.com/argoyle>

<https://github.com/Opzkit>

<https://gitlab.com/argoyle>

<https://gitlab.com/unboundsoftware>