Curriculum Vitae

Erik Olsen

Personal information

Erik Olsen
Tyrrestrupvej 2
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Born: 22nd of November 1979 in Frederikshavn, Denmark
Marital status: Married.

Resume

I have a masters in mathematics and many years of experience of building IT in the financial sector. This work spans everything from large client server applications handling insurance policy portfolios to high performing mobile payment platforms.
In most cases my work has been part of an IT transformation of splitting the domain into smaller business domains and services by applying best practices from domain driven design and micro services. I have hands on in every part of this journey from decomposing the problem space, doing the system design to actually coding, testing and deploying the solution.

Technical competencies

- Service oriented architecture, development and dev-ops

- Event driven systems

- Domain driven design and development

- API design

- OAuth2 og Openid Connect (application security)

Technology overview

I have intimate knowledge and deep hands on experience with the following technologies.

- Dotnet Core og ASP.Net
- RabbitMQ, Azure Service Bus, Google PubSub
- Kafka
- Graphite og Grafana
- API Gateways (Apigee, WSO2 m.fl.)
- Identity server
- XUnit

- Oauth2 og OpenId Connect
- Splunk and ELK stack
- Docker
- Kubernetes
- Azure devops, Github actions
- Golang
- Prometheus

WORK

1/2023 –	**Freelance consultant** Senior developer in the Payment segment in Vipps-MobilePay

Working on the payments core team to consolidate the payments area after the merger with Vipps, this includes service design and domain design, development and dev-ops.

#azure, #azuread, #dotnetcore, #golang, #docker, #kubernetes, #ddd, #eventsourcing

3/2022 – 1/2023	**Freelance consultant** Architect for the Lending and Credit colony, Lunar

Spearheading new initiatives and sparring with developers on all things development and cloud related, that includes automated testing, service design and domain design.

I also did architecture work in the regulatory reporting area, clarifying which data was needed to do reporting, establishing integration patterns into the regulatory reporting area and last but not least did a vendor assessment of different vendors, among others Adenza and Moody's Analytics.

#communication, #regulation, #reporting #moodys, #adenza #finance, #ddd

8/2021 – 6/2022	**Freelance consultant** Lead developer and Architect, OK a.m.b.a.

I was developer and architect on a team set out to modernize the Fuel delivery process. I was leading the development, technology choices, teaching best practices, designing the system and reviewing code.

#azuread, #googlecloud, #googlepubsub, #dotnetcore, #docker, #kubernetes

3/2020 – 8/2021	**Lead developer** Api tribe, Danske Bank

I was developer and architect on a team set out to API enable core banking in one of the largest banks in Denmark. I was leading the development, technology choices, teaching best practices, designing the system and reviewing code. I also facilitated a fair bit of DDD workshops used to decompose the problem space before starting development.

#microservice, #softwaredesign, #api, #kafka, #dotnetcore, #docker, #kubernetes

10/2019 – 3/2020	**Freelance consultant (Mjølner)** Domain architect - regulatory reporting, Bankdata

My role was domain architect in the regulatory reporting area in BankData. The big initiative was to completely revamp the regulatory reporting area in BankData by employing Moody's Analytics as reporting engine. My role contained everything from vendor dialogues, integration patterns and security, technology choices, setup of best practices development processes, and coaching of the full time employees.

#moodys, #creditrisk, #regulatoryreporting, #openshift, #security, #architecture

3/2019 – 10/2019	**Freelance consultant (Mjølner)** Technical lead in Investment, Bankdata

My role was technical lead on a team that was about start developing applications on an on prem cloud (Openshift). My role contained everything from pairing, technology choices, setup of best practices development proceses, and coaching of the full time employees. Apart from everyday development, I also authored a package to handle token based security in the Openshift applications we were building.

#openshift, #microservices, #security, #oidc, #technicalteaching

3/2018 – 3/2019	**Freelance consultant (Mjølner)** Freelance consultant, Mjølner

I was developer on small Lego projects, and doing pre-sales as part of an architect team. The pre sales work included domain discovery using DDD methodologies (Event Storming and contect mapping) and writing IT project propositions.

#dotnetcore, #ddd, #domaindiscovery, #typescript

9/2015 – 3/2018	**Senior developer** Senior developer, MobilePay

I was senior developer on a team that was handling application security in MobilePay. This involved a deep understanding and knowledge of token based security, and some stakeholder management.

#dotnetcore, #microservices, #security, #oidc, #rabbitmq, #ddd

3/2012 – 9/2015   **Senior developer** Senior developer, eBay Classifieds

Developer on bilbasen.dk, continously working on increasing quality and delivery on that platform.

#dotnet, #microservices, #mvc, #javascript, #ddd

8/2006 – 3/2012   **Developer** Developer, Edlund A/S

Development on Skade.Net, with a focus on integrations and policy calculations.

#dotnet, #wpf, #sql, #insurance, #scrum

EDUCATION

2017   **TOGAF I + II Certification** The Open Group.

2009   **Certified Scrum Master** Ative.

2004   **Cand. Scient. mathematics** Aarhus University.

2002   **Bac. Scient. mathematics** Aarhus University.

COURSES AND CONFERENCES

04/ 2024   Kubecon Paris

05/ 2022   NDC Porto

01/ 2017   TOGAF I + II Certification

04/ 2013   Implementing Domain Driven Design v. Vaughn Vernon

05/ 2011   Test Driven Development and Refactoring in C#

07/ 2010   Developmentor Course. Design Patterns.

10/ 2009   Best Brains Course. Advanced project management with kanban og lean.

10/ 2009   Lean software developmen by Mary and Tom Poppendieck.

10/ 2009   XUnit Test patterns by Gerard Meszaros.

10/ 2009   PDC2008, Professional developers conference 2008.

10/ 2009   Certified scrum master course, by Ative.

09/ 2007   Presentation course, DIEU.

OTHER SKILLS

LANGUAGES: Fluent oral and written English.