

Sindre Alstad Wilting

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Experienced software engineer specializing in distributed systems and event driven architecture utilizing a rich toolset of programming languages and frameworks. Maintaining high code quality and standards based on pragmatism. Focusing on the values that promote continuous delivery and delivering value to the customer reliably. Also enjoys contributing to open-source projects like WolverineFx and Proto.Actor

Tech Lead – full time, Kongsberg Digital

JUNE 2024 - PRESENT

- Working in a team creating a green field security critical solution for our solutions providing RBAC functionality on top of the simulation system using technologies, modern software design processes and architecture that are completely new for the team
- Guiding the adoption of modern software architecture and design techniques within the team
- Working on the open-source event sourcing engine / event store project Chronicle which is the software architecture foundation for the product we were developing

Senior Systems Developer – full time, Stacc Quesnay

AUGUST 2023 - JUNE 2024

- Working in a medium-sized team of developers and product managers in Oslo and Serbia on products for medium to large sized customers within banking and financial institutions using .NET, TypeScript, React and Azure with both on-premise and cloud installations
- Took full responsibility and ownership of understanding and upgrading a legacy application with no active developers to a stable version and initiated a project for reviving that project with modern capabilities to achieve higher quality and more flexible solution for our customers
- Established CI/CD workflows for automatic release, automated testing and integration testing and reporting of code health metrics like test coverage, test results and security vulnerability reporting
- Challenging how we can work in a more agile and lean way and also how to come up with, decide on and use OKRs to align and make sure we are pulling in the same direction
- Work on and provide guidance on how to gradually move over to more modern cloud based, microservice oriented and multi-tenanted SaaS solutions for long term scalability and maintainability
- Spear-heading efforts in upping knowledge on distributed systems and event driven architecture and lead developer on completely new project that will establish groundworks for the direction we want our current solutions to go in
- Been part of student software assignment evaluation committee used in events and internal hiring process

Software Engineer – full time, Veracity by DNV

MARCH 2023 - JULY 2023

- Worked in a big, international, team on an event-driven microservices data platform product built using .NET, TypeScript React and Azure services
- Being involved in a cross-technical team focusing on improving our own standards, tools and processes
- Being involved in a separate team creating reusable software libraries in .NET that can be used across the whole DNV software development branch to speed up their project deliveries, improving their developer experience and code quality
- Helped the tech leads and architects on establishing good software engineering principles and best practices across the team
- Worked together with product delivery manager to improve how we approached agile methodologies and processes to further increase the team performance

WEBSITES

github.com/woksin
linkedin.com/in/sindrewilting

TECH SKILLS

C#
Javascript/TypeScript
Go
.NET
Node

Kubernetes
Docker
gRPC
MongoDB (NoSQL)
SQL
Marten DB
Azure
Git
Github
Unix
CI/CD
DevOps

Event Modeling
Event Sourcing
Event Driven Architecture
CQRS
Actor Frameworks
Microservices
Distributed Systems
Concurrency

SOLID
CUPID
Test-Driven Development
Behavior-Driven Development
Data Driven
Functional Programming
Object Oriented Design
Domain Driven Design
Agile / Lean / Kanban

SOFT SKILLS

Curious
Pragmatic
Engaged
Adaptable
Motivated

NOVICE SKILLS

Python
Java/Kotlin
C/C++
Rust

OSS Platform Engineer – full time, *Dolittle*

JULY 2018 - FEBRUARY 2023

- Built an event-driven microservices platform from the ground up empowering digital transformation and enabling businesses to create new revenue streams by making use of business moments and utilize their ERP systems to their fullest
- Architected, spearheaded and developed from ground up a highly performant and scalable multi-tenant event sourcing engine on .NET utilizing actor framework for high-performance streaming and processing, MongoDB for the event store and gRPC as the high-performance low-latency interface empowering light-weight SDKs in both .NET and TypeScript
- SLA-bound hosting platform and support for multiple customers on top of our Kubernetes platform built on Azure AKS
- Responded promptly to customer issues, providing timely and effective support on operational and functional problems
- Been a central figure in the small, focused, R&D product team from the start of the company, building a performing agile team
- Cultivated a culture of DevOps, Continuous Delivery, and automated-testing, improving the release cycles with custom made Github actions and workflows
- Significantly decreased deployment friction, allowing for a quicker and more resilient service delivery to our customers

Software Developer Consultant – full time, *The Norwegian Red Cross*

APRIL 2018 - JUNE 2018

- Worked full time on the Red Cross CBS project described in “Volunteer Work”
- Promoted a DevOps-centric environment, automated code integration, deploy and testing with DevOps Pipelines and Docker
- Focused on ensuring good quality with code reviews and high quality code using event sourcing and CQRS
- Further developed the application by closely working on the domain with domain experts and other volunteer developers using Domain Driven Design principles

IT Analyst – Part time, *Nordkinn Asset Management*

MARCH 2018 - JUNE 2018

- Full-stack developer, database and application developer, utilizing .NET ecosystem, SQL, Entity framework and Angular 5 frontend using Typescript.
- Redesigned and improved the codebase building software engineering principles like SOLID and low coupling & high cohesion and introducing multiple tools to ease development friction

VOLUNTEER WORK

Full Stack Developer — *Norwegian Red Cross*

FEBRUARY 2018 - DECEMBER 2019

- Contributed to an open-source project built using Domain Driven Design and event sourcing-based microservices and CQRS. Contribution was mainly done on hosted codeathons twice a year lasting the whole weekend
- Our focus was on saving human lives through an ambitious and innovative software- and hardware-solution
- Became early a part of the Core Tech Team overseeing the project and ensuring progress on the software by making sure every codeathon attendee could contribute
- Backend Development (C#, MongoDB, Event Sourcing)
 - Key contributor in a major refactoring process, significantly improving database performance
 - Played a crucial role designing the data flow and key features
 - Participated in event storming sessions further developing the domain and the bounded contexts
- Frontend Development (AngularJS, Typescript)

EDUCATION

Bachelor's Degree Computer Science— *University of Oslo*

AUGUST 2015 - JUNE 2018

- Informatics: Programming and Networks
- Picked subjects focusing on algorithms and datastructures, computer architecture and programming languages
- 4,07 / 5.0 GPA