

Ole Halvor Egenæs

Developer

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Summary

Experienced developer. Prefers working in autonomous cross-functional teams using agile methodologies. Broad expertise in mathematical simulations, custom algorithms, and general software development.

Experience

2025–present **MEWB**, *Developer*, Oslo

Full-stack developer with a focus on an internal machine learning project.

2022–2025 **Frontline POS AS**, *Developer*, Bodø

Full-stack developer. Worked on developing the Frontline Systems point-of-sale platform. Contributed to competence building within the department through improved work methodology and structured organisation of development projects.

2019–2020 **Academic Works AS**, *Consultant*, Oslo

Consultant / Full-stack developer. Seconded to Kantega AS for the entire period.

2016–2017 **Nabodyr AS**, *CTO*, Oslo

Technical lead for the Nabodyr platform.

2014–2017 **House of Math AS**, *Private Tutor*, Oslo

Tutor. Taught upper-secondary and university students in mathematics and physics.

2014–2014 **Infonor AS**, *Sales Representative*, Oslo

Sales representative. Sold fire safety equipment.

2013–2013 **Høgskolen i Gjøvik**, *Instructor*, Gjøvik

Instructor for an engineering summer course. Six-week course forming part of the three-semester scheme. Responsible for teaching and shared responsibility for designing the course.

2011–2011 **Høgskolen i Gjøvik**, *Instructor*, Gjøvik

Selected Project Deliveries

2022–2025 **Frontline Systems**, *Frontline POS AS*

Responsibility: Worked as a senior backend developer on a complete POS/ECR system targeting businesses and the rental industry. Developed and implemented full integration with Verifone and Nets payment terminals, including complete support for multi-terminal setups across multiple registers and locations. Migrated the project build system to Gradle and introduced Spring Boot, enabling structured dependency injection, improved testability, and significant modernisation of an existing legacy codebase. Automated the transfer of Z-reports / daily settlement reports directly into accounting systems, eliminating manual routines that previously required daily handling. Modularised large parts of the codebase and established the foundation for a fully functional CI/CD pipeline, including setup of automated tests and build systems. Identified and remediated critical security vulnerabilities in existing code, contributing to stabilising and future-proofing the platform. Collaborated closely with other developers to raise overall code quality and introduce modern development practices within the team.

Result: Significantly reduced manual time spent on daily accounting reports by automating Z-report transfers, freeing up time for both developers and accounting staff. Enabled the POS solution to scale to handle multiple terminals per location through a robust and extensible multi-terminal architecture. Raised code quality and maintainability in a long-running legacy project by introducing Spring Boot, Gradle, and test-driven development practices. Remediated security vulnerabilities in the existing codebase and helped ensure continued stable operation for end users. Laid the groundwork for a scalable CI/CD pipeline that reduces risk in future deployments and streamlines development work. Introduced concurrent deployment support across multiple systems, reducing operational burden on technical staff.

Technology: Java, Spring Boot, Gradle, PHP, Symfony, SQL, JUnit

2019–2020 **Norsk Pensjon**, *Kantega AS*

Responsibility: Contributed as a developer in a team working on further development and maintenance of the Norsk Pensjon digital platform. Actively participated in feature development and bug fixing on an established, complex platform within a structured team collaboration. Conducted security risk analysis using SonarQube, identified vulnerabilities, and contributed to addressing technical debt. Collaborated closely with other developers on code quality and best practices within a large, established codebase.

Result: Helped raise the security standard of the platform through systematic risk analysis and remediation of identified vulnerabilities. Delivered stable contributions to a business-critical platform handling pension information for a large number of Norwegian users. Gained valuable experience developing in regulated environments with high requirements for security, stability, and data integrity.

Technology: Java, Spring Boot, Maven, SonarQube, SQL

2016–2017 **Nabodyr**, *Nabodyr AS*

Responsibility: Led the architecture and technical execution of Nabodyr, a two-sided marketplace platform connecting pet owners with trusted neighbours offering pet sitting and dog walking services. Designed and implemented the core backend in Python/Django, including RESTful APIs consumed by web and mobile clients. Designed data models for user profiles, service listings, booking flows, and review and rating systems. Built a geolocation-based neighbour search system to match pet owners with nearby sitters within a configurable radius. Integrated Stripe for payment processing with escrow-based payout logic. Led a small cross-functional team, ran sprints, and collaborated with the founder on product roadmap prioritisation.

Result: Delivered a working MVP within the project lifetime, with complete end-to-end booking and matching flows. Established a solid technical foundation and architecture well-positioned for scaling, before the company ceased operations. Gained hands-on experience leading a complete product development under startup conditions, from an empty codebase to a functioning platform.

Technology: Python, Django, Django REST Framework, PostgreSQL, Stripe API, AngularJS

Education

2018–2020 **Computer Engineering**, *Oslo Metropolitan University*, Oslo

2016–2016 **Theoretical Physics (individual courses)**, *University of Saskatchewan*, Saskatchewan

2015–2015 **Physics**, *University of Oslo*, Oslo

2011–2014 **Astronomy, Meteorology and Physics**, *University of Oslo*, Oslo

2010–2011 **Information Security**, *Gjøvik University College*, Gjøvik

Skills

Languages	Typescript/Javascript, Java, Kotlin, Python, Matlab, PHP, C#, C, C++
Infrastructure	Docker, Kubernetes, Swarm, Linux
Frameworks	Spring, Symfony, Django, Flask, AngularJS
Other	Machine Learning, SQL, Claude Code