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RAKENNESTUDIO

CV

Name	Ivan Ikhno
Year of birth	1995
Education	Bachelor of Engineering, Metropolia University of Applied Sciences (2020)
Years of work experience	6
Job title	Structural Engineer
Key qualifications	Concrete structures, fiber reinforced concrete, ground supported slabs
Language skills	Finnish, english, russian, ukrainian

Work Experience

2025 -	RakenneStudio Oy	Structural Engineer
2024–2025	Sweco Finland Oy	Technology Manager, Cast-in-situ
2023–2025	Sweco Finland Oy	Structural Engineer
2020–2022	Sweco Rakennetekniikka Oy	Structural Engineer
2019–2020	Sweco Rakennetekniikka Oy	Structural Engineer, trainee
2018–2019	SRV Rakennus Oy	Construction site Engineer, trainee
2014–2016	Rakennusliike Sierak Oy	Construction worker

Qualifications

2025	FISE certification grade V (Difficult) Designer of concrete structures (until 23.25.2032)

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Courses

2025	e-Tiivistys, online training
2025	Sweco Training Series “Basics of Using and Designing with Fiber-Reinforced Concrete”, organizer/lecturer
2019–2024	Sweco Cast-in-Place Concrete Structures Technology Days. Lecturer in 2022–2023, organizer/lecturer in 2024-2025
2024	Full-scale test, steel fiber reinforced concrete floor slab. Jelgava, Latvia
2024	BEFIB 2024 – XI International Symposium on Fiber Reinforced Concrete
2022-2024	Concrete Days, Concrete Association of Finland

Memberships

Concrete Association of Finland / BY and fib young members

Publications

Concrete Association of Finland – Design of Ground-Bearing and Surface Floors, BY45a, working group member, preparation of calculation examples
The Confederation of Finnish Construction Industries RT (CFCI)– Next Generation Eurocode, Annex E: Fiber-Reinforced Concrete Structures, preparation of the national annex, member of RTT/SR 102 working group
Design of a Steel Fiber Reinforced Concrete Pile Slab according to BY66 Guidelines, Bachelor’s thesis, 2020

Projects

2025	***Post Terminal (Kuopio)*** Logistics terminal, approx. 15,000 m² ground-bearing slab; the floor plays a central role in the building’s functionality. Client: Posti Group Oyj	3rd party inspector of structural designs and client’s consultant
2024–2025	***Prysmian KVR East Expansion (Kirkkonummi)*** Factory extension, approx. 5,000 m² steel fiber reinforced concrete pile slab. *Client: YIT Infra Oy*	3rd party inspector of structural designs and contractor’s consultant Grade: Difficult
2024	***Transval Järvenpää*** Logistics terminal, approx. 30,000 m² steel fiber reinforced concrete pile slab. Client: Posti Group Suomi Oy	3rd party inspector of structural designs and contractor’s consultant Grade: Difficult
2024	***Logistics Terminal, Bastukärr (Sipoo)*** Approx. 20,000 m² high-bay warehouse completed in 2022. Cracking observed in the ground-bearing steel fiber reinforced concrete floor. Damage analysis and repair design. Client: Posti Group Suomi Oy	Structural Engineer Grade: Difficult

2023–2025	***M14 / Signe (Helsinki)*** Commercial and office building in central Helsinki, post-tensioned and precast concrete structure. Main structural design. Client: Sponda	Structural Engineer Grade: Difficult
2022–2024	***Fermentation Plant (Denmark)*** Design of concrete structures. Client: Confidential	Structural Engineer
2022–2025	***Hyrylä Commercial and Service Center (Tuusula)*** Concrete-framed office and commercial complex, approx. 35,000 gross m². Main structural design. Client: Jatke Oy	Structural Engineer Grade: Difficult
2022–2023	***Hotel Vuorikatu 24 (Helsinki)*** Concrete-framed hotel building. Main structural design. Client: Jatke Oy	Structural Engineer Grade: Difficult
2022	Lotus, K Logistics Center (Nurmijärvi) 100,000 m² logistics center, concrete/steel frame. Main structural design, FEM analysis.	Structural Engineer Grade: Difficult
2022	***APC Airport Hotel (Vantaa)*** 12-storey hotel building, approx. 37,700 m², concrete/steel frame. Main structural design. Client: KOy Apron	Structural Engineer Grade: Exceptionally difficult
2022–2023	***Posti PKS Terminal (Vantaa)*** Approx. 60,000 m² freight terminal completed in 2017. Extensive cracking observed in the 21,000 m² ground-bearing steel fiber reinforced concrete floor. Damage analysis and design review. Client: Posti Group Oyj	Structural Engineer
2021–2024	***We Land (Helsinki)*** Office building, 14 storeys + 3 underground parking levels, concrete/steel frame. Structural design of concrete structures. Client: NCC	Structural Engineer Grade: Difficult
2021–2022	***Pieni Paja (Helsinki)*** Approx. 7,500 m², 3-storey studio building, concrete/steel frame. Structural design, FEM analysis, review of steel fiber reinforced concrete solutions. Client: Jatke Oy	Structural Engineer Grade: Difficult
2021	***Taurus Port (Montevideo, Uruguay)*** 50,000 m² warehouse, steel fiber reinforced slab-on-grade. Review of design solutions. Client: UPM	3rd party inspector of structural designs and contractor's consultant Grade: Difficult
2021	***Tiistilä School and Daycare Center (Espoo)*** 11,500 m², 2-storey timber-frame building. Structural design of foundations.	Structural Engineer Grade: Difficult
2020–2021	***KOy Lippulaiva (Espoo)*** Commercial building with parking facilities, nursing home, library, metro connection spaces, bus terminal, and eight residential buildings, concrete frame. Precast element design.	Structural Engineer Grade: Exceptionally difficult

2020	***STAO Myllypuro, Competition Phase (Helsinki)*** Vocational school building. Conceptual structural design.	Structural Engineer Grade: Difficult
2020	***Reposalmentie Hybrid Depot (Helsinki)*** Project planning phase. Tram depot with 2–10 storey residential buildings above. Concrete frame.	Structural Engineer Grade: Exceptionally difficult
2020	***Data center, Espoo (NDA)***	Structural Engineer Grade: Difficult
2020	***Data center, Vantaa (NDA)***	Structural Engineer Grade: Difficult
2020	***Data center s, Helsinki (NDA)***	Structural Engineer Grade: Difficult
2020	***Huberilan Kulma – Office (Vantaa)*** 8-storey office building, concrete/steel frame. Structural design, FEM analysis.	Structural Engineer Grade: Exceptionally difficult
2019–2020	***Aviapolis South Block (Vantaa)*** Project planning phase, 8-storey office building, concrete/steel frame.	Structural Engineer Grade: Difficult
2019–2020	***Garden Helsinki*** Approx. 160,000 m² hybrid complex including a multi-purpose arena, commercial spaces, apartments, offices, and a hotel.	Structural Engineer Grade: Exceptionally difficult
2019–2020	***KOy Raitinkartano (Espoo)*** 5-storey commercial building with a 7-storey residential block above, total approx. 20,000 m², concrete frame.	Structural Engineer Grade: Exceptionally difficult
2019–2020	***Helsinki-Vantaa Airport Capacity Expansion (Vantaa)*** Approx. 70,000 m² terminal building, concrete/steel frame. Client: Finavia	Structural Engineer Grade: Exceptionally difficult