

Sergiu Mereacre

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Personal Profile

Highly motivated and detail-oriented software engineer with professional experience designing, developing and maintaining complex software systems. Proven ability to work effectively as part of a team and independently to deliver projects on time and within budget. Strong problem-solving skills and a passion for staying up to date with the latest industry trends and advancements. Seeking a challenging software engineering role where I can utilize my skills and experience to contribute to the development of innovative solutions.

Skills

Languages: Python | Kotlin | TypeScript | Java | C++ | C | PHP | SystemVerilog

Frameworks & APIs: GraphQL | Angular | React | React Native | Next.js | Spring Boot | Laravel

Tools & Platforms: RabbitMQ | Docker | Firebase | Git | CI/CD | MySQL | MongoDB | UVM

Experience

DELL TECHNOLOGIES — Limerick, Ireland

Software Engineer 2

Jan 2026 – Present

- Extend and consume GraphQL APIs and implement asynchronous workflows with RabbitMQ.
- Contribute to Kotlin-based microservices and CI/CD pipelines, and participate in peer code reviews.

Software Engineer

Jun 2024 – Dec 2025

- Validated hardware, software, and service configurations for new product launches, coordinating across engineering teams to ensure seamless integration.
- Implemented Python automation for configuration testing, improving integration quality.

INTEL LTD — Shannon, Ireland

Software & Hardware Intern

May 2022 – Jan 2023; Jun 2023 – Sep 2023

- Developed and tested hardware-verification software using Python, SystemVerilog, and UVM.
- Diagnosed hardware/software issues and integrated verification scripts with cross-functional teams.

Projects

GymPet | React Native | TypeScript | Expo | Firebase

gympet.app

- Built a gamified fitness app with a virtual pet to encourage workout consistency.
- Implemented Firebase anonymous authentication and Zustand state management; designed the UI in Figma using NativeWind and Lottie.

Hotel Reservation System | Next.js | Spring Boot | Docker

GitHub

- Built a full-stack reservation platform with a loyalty program and admin dashboard.
- Containerized the Next.js and Spring Boot services with Docker for consistent development and deployment.

Education

BSc Computer Systems, First Class Honours (1.1) | University of Limerick Aug 2020 – Aug 2024

Awards

Seeds for the Future Scholarship | Huawei, Ireland

Sep 2021

- Selected as one of 50 recipients from 100 finalists for Huawei's Seeds for the Future scholarship.
- Won Huawei's innovation competition, outperforming 95 peers with an IoT fridge-monitoring concept designed to reduce food waste.