

HUGO LUNDELL

SOFTWARE ENGINEER

CONTACT

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DEV LANGUAGES

- C#
- Python
- TypeScript
- Dart

TOOLS

- AWS
- CloudFront
- .NET
- FLASK
- Git
- P4V
- Unity
- Flutter
- DevOps
- Linux
- Hive
- GoRouter
- Riverpod

SKILLS

- Project Management
- Teamwork
- Critical Thinking
- Communication

LANGUAGES

- English (Fluent)
- Swedish (Native)
- Spanish (Intermediate)



PROFILE

Versatile Bachelor Software Engineer with a passion for building high-performance applications. Proven ability to ship complex software, evidenced by a commercially released game on Steam, android app, and a custom-built data-processing system that handles over 5,000 entities in real-time.



PROJECT & EXPERIENCES

High-Performance Entity Component System (ECS)

- C#, DOTS, Job System, Burst Compiler [GitHub](#)
- Engineered** a custom ECS to overcome performance bottlenecks
 - Architected** a data-oriented design for movement, path finding, loot system and combat logic. While burst compile multi-threading.
 - Achieved** an FPS at over 60 while running 5 000 entities with complex systems, an improvement over **10x** of the regular system.

Glorious Golf - Lead Developer

- C#, Unity, P4V, JSON [ON STEAM](#)
- Shipped** a physics based climb game to Steam.
 - Developed** physic based ball logic, obstacles, shaders, all UI systems, Steam API integration and data saves/loads.

AWS Website

- AWS S3, CloudFront, React and TypeScript [LIVE](#)
- Designed** a site focused on UX, and performance.
 - Deployed** with industry standard techniques using S3 Buckets and Route 53

Social Media Extractor

- Python, TKinter, Git [GitHub](#)
- Developed** a user friendly YT-DDL wrapper with a GUI

Track Life - Fitness database and logger

- Dart, Flutter, Hive, GoRouter, RiverPod
- Created** an exercise logger with a database of 1 000 exercises
 - Established** local storage of data for privacy
 - Iterated** with FireBase for online database if demanded



EDUCATION

- Bachelor in Game Design & Scripting** 2023-present
Södertörns Högskola, Stockholm Sweden



WORK EXPERIENCE

- Mentor & Coach** 2021-present
- Worked with over 150 students to improve their Mathematics, computer science and Coding skills