



ERIK SCERRI

Senior Software Engineer

WORK EXPERIENCE

SENIOR SOFTWARE ENGINEER @ Cornerstone onDemand

Jul 2019 - Present // Utrecht, Netherlands

- ◆ Implemented backend services in C#/ASP.NET, designing clean REST APIs, middleware pipelines, and modular service architectures for high-availability applications.
- ◆ Built data-access layers using Entity Framework Core, optimizing queries, migrations, caching, and schema design for high-traffic content services.
- ◆ Deployed and maintained microservices in Kubernetes, using CI/CD pipelines to ensure reliable, scalable backend environments across production environments.
- ◆ Implemented authentication and authorization flows in ASP.NET Core using JWT, OAuth, and team-based access patterns.
- ◆ Led development of an internal content-management platform and API supporting content distribution, scoring pipelines, and asset delivery for multiple client services.
- ◆ Owned full lifecycle backend development, from requirements and architecture through deployment, monitoring, and maintenance.
- ◆ Worked on SaaS products including secure user data management, analytics pipelines, release processes, patching, and incident response.
- ◆ Drove rapid R&D iterations on prototype AI solutions, architecting proofs-of-concept and testing new generative and conversational AI technologies.
- ◆ Built an AI-powered real-time backend using WebSockets in Unity (VR + WebGL), enabling generative-AI-driven conversations and training scenarios.
- ◆ Created backend-facing Unity tooling and UI systems that integrated with internal APIs, improving production workflows for designers and artists.
- ◆ Optimized game engine for VR and WebGL applications, focusing on performance under tight hardware constraints.
- ◆ Developed a Voice-to-Text pipeline using Microsoft Speech SDK and implemented a custom keyword-recognition engine for language understanding.

LEAD DEVELOPER @ Metalworks Team (Part-Time)

Aug 2024 - Present // Remote

- ◆ Coordinated an international community team to develop the official Cosmere RPG system for Foundry VTT, in direct collaboration with Brotherwise Games.
- ◆ Designed and built the system architecture and data models from the ground-up, ensuring maintainable, strongly typed code across all systems.
- ◆ Led UI/UX design for premium Cosmere modules, building responsive layouts and polished user experiences consistent with the visual design of the Cosmere books and digital assets.
- ◆ Designed and implemented interactive UI components leveraging HTML, CSS, and Handlebars to implement character sheets, rules references, and game-system tooling.
- ◆ Implemented dynamic, reactive interfaces using modern JavaScript patterns and front-end frameworks such as Svelte, improving usability and performance across modules.
- ◆ Managed ongoing release cycles, including bug fixes, feature requests, and UI improvements across multiple TypeScript-based module packages.

JUNIOR SOFTWARE DEVELOPER @ 3BetGaming

Jan 2016 - Dec 2016 // Gżira, Malta

- ◆ Developed backend features for bet-management systems used by clients across multiple European and international markets.
- ◆ Built and maintained database logic for data retrieval, filtering, and high-volume transactional operations.
- ◆ Extended and supported a Web API consumed by internal tools and front-end web clients, improving reliability and functionality.
- ◆ Implemented client-side communication layers for Web API integrations, ensuring stable data exchange between systems.
- ◆ Created automated release profiles and deployment scripts (.bat) to streamline release management and reduce manual overhead.
- ◆ Operated in a high-pressure live-service environment, resolving critical production issues within strict turnaround times.

EDUCATION

M.S.C. GAME & MEDIA TECHNOLOGY @ Universiteit Utrecht

Sep 2017 - Sep 2019 // Utrecht, Netherlands

EQF LEVEL 7

B.S.C. (HONS) ARTIFICIAL INTELLIGENCE @ University of Malta

Sep 2013 - Sep 2016 // Msida, Malta

EQF LEVEL 6

GET IN TOUCH

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SKILLS

PROGRAMMING

C#, ASP.NET, Typescript, Javascript, Java, HTML, SCSS, CSS, Python, C/C++, SQL

TOOLS & PLATFORMS

Unity Game Engine, Git & Gitflow, Jenkins, .NET Core, AWS, Azure Cloud, Godot

FRAMEWORKS & LIBRARIES

EntityFramework, PostgreSQL, MongoDB, ReactJS, AngularJS, jQuery, OpenAI API

DESIGN

Adobe Photoshop, Adobe Premiere, Adobe Illustrator, FL Studio XL, Adobe InDesign

LANGUAGES

◆ English	Proficient - C2
◆ Maltese	Proficient - C2
◆ Italian	Independent - B1
◆ Dutch	Basic - A2

EXTRA-CURRICULAR

AMusLCM Diploma of Associate (Composition) EQF LEVEL 5
2014 - 2016 // University of West London

BMusLSM Diploma in Harmony & Analysis EQF LEVEL 4
2011 - 2012 // London School of Music

ABRSM Grade 8 in Orchestral Performance (Flute) EQF LEVEL 3
2001 - 2010 // Royal School of Music

OTHER INTERESTS

Tabletop Gaming, Video Gaming, Reading, Writing, Music Production, Handball