

# DARREN SILLS

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Full stack developer with a broad technical foundation spanning frontend frameworks, backend development, and database design. Quick learner with a systematic approach to problem-solving, seeking to contribute to a collaborative development team.

## SKILLS

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**Languages:** C#, C++, Java, Python, TypeScript, JavaScript, PHP

**Frontend:** React, TailwindCSS, State Management, Responsive Design

**Backend:** Node.js, Express, .NET / ASP.NET Core, REST APIs, Authentication (JWT, OAuth)

**Databases:** MySQL, PostgreSQL, MongoDB, Firebase (Firestore, Realtime Database)

**DevOps & Tools:** Git, GitHub Actions, Docker, Vercel, Netlify, Postman

**Design & Other:** Object-Oriented Programming, Design Patterns, MVC/MVVM, Figma, Unity, Technical Documentation

**Familiar with:** AWS (S3, EC2, Lambda), GraphQL, WebSockets, CI/CD pipelines

## PROJECTS

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### **Unity Systems-Based RPG** [[GitHub](#)]

*Tech: C#, Unity, Blender*

- Developed modular gameplay systems in C# using object-oriented design principles
- Created custom Unity editor tools to streamline level and content creation workflows
- Implemented game state management and event-driven architecture
- Wrote comprehensive technical documentation and published project website

### **Film Discovery Web Application** [[GitHub](#)]

*Tech: React, Firebase, TypeScript, REST APIs*

- Developed a film search and discovery app integrating the TMDB REST API
- Implemented user authentication and personal watchlist functionality using Firebase
- Built reusable, type-safe React components with TypeScript
- Managed application state for real-time content updates and user interactions

## EDUCATION

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- **BSc (Hons) in Computer Science (First Class Honours)**

Southeast Technological University | Waterford

- **Study Abroad**

Shibaura Institute of Technology | Tokyo

## ADDITIONAL SKILLS & INTERESTS

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Conversational Japanese • Ranked top 500 globally in competitive online games, demonstrating high-level strategic decision-making, rapid adaptation, and performance under pressure • PC builder enthusiast • Frequent participant in open-source video game modding and decompilation projects.