**SIMRAN FARRUKH**

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Passionate Software Developer with a strong background in Java and extensive experience in creating visually immersive gaming experiences using Unreal Engine 5. Seeking a challenging position to leverage technical proficiency and creativity.

**RELEVANT PROJECTS**

***Nordic Oceans and Cliffs Environment***   
[***https://simranfarrukh.itch.io/nordic-island-environment***](https://simranfarrukh.itch.io/nordic-island-environment)

* Designed and implemented a visually immersive Nordic Island environment using Unreal Engine 5, showcasing proficiency in real-time global illumination and Nanite virtualized geometry
* Created local fog materials, ground materials, and lighting
* Used blueprints to show wetness on rocks that were closer to water, added foliage using plugins
* Adjusted cameras, set the scenes, added graphics

***Solar System Simulation***  
[***https://simranfarrukh.itch.io/solar-system***](https://simranfarrukh.itch.io/solar-system)

* Created Solar System simulation using Unity Editor
* Created and positioned GameObjects
* Applied behaviours
* Created and applied materials
* Added lighting and audio
* Adjusted cameras
* Built the project and packaged it for sharing

***UX/UI Projects***

[***https://www.behance.net/simranfarrukh***](https://www.behance.net/simranfarrukh)

* Case Study: Recipes App
* Case Study: Gaming Arcade App
* Case Study: Escape Rooms Website
* Vespera Website

**EXPERIENCE**

***Java Software Developer***  
***FDM Group | Toronto, ON***  
***02/2022 - Present***

* Successfully managed projects such as a trainee interview prep management system, employee login
* portal, and retractable bin for permanently deleted files from scratch while handling both front and
* backend
* Conducted manual testing for quality assurance and solution integrity
* Led a team of 4 developers, providing guidance in code review, architectural decisions, and project
* coordination
* Spearheaded process improvement initiatives, streamlining workflows, and increasing productivity
* Mentored junior project management staff, enhancing overall team performance

***Software Applications Developer***  
***Morgan Stanley | Montreal, QC***  
***08/2022 - 05/2023***

* Provided support for a role-oriented parts management system, enhancing the website, and resolved
* issues promptly
* Implemented several design patterns (MVC, Command, Proxy, Adapter, State patterns) to improve user
* persistence settings, resulting in an average of 52% fewer defects reported
* Successfully migrated high-profile clients to an innovative dashboard app, increasing user engagement by
* 30% and reducing support tickets by 20%
* Led requirement gathering and participated in design analysis meetings, ensuring client satisfaction
* Implemented security best practices for compliance with industry standards
* Maintained Docker containers for application deployment and microservices architecture
* Conducted unit, integration, end-to-end, and BDD testing

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| **UNREAL/UNITY SKILLS**   * Unreal Engine 5 * Unity * Real-Time Global Illumination * Nanite Virtualized Geometry * Level Design * Lighting and Rendering * Foliage and Environment Design * 3D Modelling (Custom assets) * Cinematics and Camera Work * Blueprints * Programming Languages: Java, Python, C++, SQL, Typescript | **TECHNICAL SKILLS**   * Programming Frameworks: Angular/React Frameworks * Version Control: GitHub, GitLab * RDMS: PostgreSQL, Microsoft SQL Server, MySQL * RESTful APIs * Object-Oriented Programming * Jira Management * CI/CD Automation (Jenkins, GitLab CI/CD) * Containerization (Docker) * Scripting (Shell, Python) * Security and Compliance |  |

**BUSINESS OPERATIONS COMPETENCIES**

* Project Management (scheduling, organizing)
* Software Development Life Cycle
* DevOps
* Agile Methodology
* Microservices
* Project Planning and Execution
* Project Support Office (Agile, Scrum)
* Stakeholder Communication
* Database Management: SQL (queries, joins, sub-queries)
* Business Analysis (requirements engineering)
* Marketing Event Management
* Segmentation and Targeting
* Journey Mapping
* Customer Relationship Management (CRM) - Microsoft Dynamics 365

**EDUCATION**

***Associates of Science***  
***Collin County Community College | Dallas, TX | Graduated: 12/2019***  
*Major: Information Systems Cybersecurity*

**CERTIFICATES**

* [Google UX Design Certificate](https://www.coursera.org/account/accomplishments/specialization/certificate/VUKATAZVJMWF)
* DevOps Foundations: Continuous Delivery/Continuous Integration
* [Google Project Management Professional Certificate](https://www.coursera.org/account/accomplishments/specialization/certificate/5YX225M7LL66)