

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>

- 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>

- 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>

- 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

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
- DevOps Foundations: Continuous Delivery/Continuous Integration
- Google Project Management Professional Certificate