**JOSHUA DSOUZA**

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**PROFESSIONAL EXPERIENCE**

**Cloud Web Developer November 2022 - July 2024**

Fourth Signal **Mumbai**

* Led the migration from Angular to Angular 2 and PHP to Laravel while conducting a codebase audit, completing the transition in under a month, improving code efficiency by 30% and readability by 23%.
* Directed a team of 4 to transform a monolithic architecture into a Micro-service structure by designing a modular framework and implementing RESTful APIs, improving application scalability and boosted efficiency by 70%.
* Adopted Docker containers to virtualize development environments, enabling parallel development workflows and reducing deployment time by 25%, while also standardizing development standards across the team.
* Designed an Azure ecosystem for seamless application deployment and implemented Azure DevOps CI/CD pipelines, eliminating manual builds and achieving 100% automated releases.
* Developed and deployed FS Databridge, an iOS and Android application, increasing user engagement by 35% and enhanced the platform's mobile experience.
* Established UI/UX standards by developing a comprehensive UI kit with Angular2, SCSS, and Tailwind, building custom reusable widgets to ensure design consistency and reduce development time for new features by 40%.
* Integrated ESLint into development workflows and added branch protection rules in Azure Repos, establishing a two-step validation process for code reviews, increasing code quality by 30% and diminished code-related errors by 25%.
* Constructed algorithms to replicate and automate real-life financial instruments, enabling top MNCs to simulate market scenarios and boost strategic decision-making processes.
* Introduced JIRA to streamline task management and project tracking, training team members on best practices for agile workflow, leading to a 30% increase in productivity and a 20% improvement in deadline adherence.
* Interviewed and mentored new hires, guiding mentee in the development and maintenance of applications. Enhanced documentation and training resources, cutting down onboarding time by 12%.

**President June 2022 - January 2024**

Information Technology Students' Association

* Managed a team of 22, and organized 9 events, in the span of 1 year.
* Organized workshops outside the curriculum, such as 3d modelling, UI/UX, 2d graphics, averaging around 140 registrations and 90 participants per event.

**ACADEMIC PROJECTS / PERSONAL PROJECTS**

Virtual College Tour - Virtual Reality/ Game Development.

* Created a college campus (SFIT) tour in 3D using Blender and imported it into Unreal Engine 5 to add elements, movement, and virtual reality (VR) capabilities.
* Published and presented an IEEE paper titled "A Framework for Development of a Virtual Campus Tour," detailing the development process and techniques leveraged.

Colloquium 2d Scavenger Hunt - Game Development.

* Spearheaded a team of 3 to develop an immersive 2D treasure hunt experience for the IT Tech fest at college using Unity3D, incorporating open-source tiles and characters to create a unique 2D platformer with game-themed objectives.
* Achieved over 200 registrations and 145 participants, with the game receiving an average review score of 4.6/5.

Google Meet Automation.

* Selenium and Firebase project using web scraping and automation to directly attend meetings at scheduled times, the script also has the ability to read and respond to the chat with pre-programmed responses.

**TECHNICAL SKILLS**

**Programming Languages:** Java, Python, C++, C#, JS, TS | **Web Development:** Angular, React, Vue, WordPress, Hostinger | **Database Management:** MySQL, SQLite, DynamoDB, AzureDB, MongoDB |

**Cloud Technologies:** Azure, Azure DevOps, AWS | **Software / Tools:** Adobe Master Collection, Microsoft 365, Filmora, VirtualBox, VS Code, Figma, Jira. | **Mobile Development:** Flutter | **Operating Systems:** Windows, Linux, macOS | **Game Development:** Unreal Engine, Unity3d | **Modelling:** Blender

**HONORS AND AWARDS**

* Spotlight Award, Fourth Signal, For introducing new changes and making an impact in UI/UX design and functionality.
* Judge, IT Department, St Francis Institute of Technology, for evaluating projects based on innovation and technical proficiency.
* 2nd Place, Tech fest Colloquium, for the Virtual College Tour Project.
* 3rd Place, College Blind coding competition.

**EDUCATION**

**Bachelor's May 2022**

St. Francis Institute of Technology (SFIT) **Mumbai, Maharashtra**

Bachelor's of Engineering in Information Technology.