

Harshit Raja

Software Engineer

iamharshitraja@gmail.com | +919136347207 | in.linkedin.com/in/harshit-raja-1411671b2

Professional Experience

- **Software Developer** | nCircle Tech Pvt. Ltd. | Oct 2023 – Present
- **Software Engineer** | Businessnext (CRMNEXT) Acidaes Solution Pvt. Ltd. | Nov 2022– Sep 2023
- **Intern** | nCircle Tech Pvt. Ltd. | Aug 2022 – Nov 2022

Roles and Responsibilities

- **Feature Development:** Collaborate with the team to design and implement multiple C# and .NET based desktop applications and Angular-based web applications, enhancing user engagement and functionality.
- **POC & Feasibility:** Lead prototyping and technical feasibility analysis to address challenges and ensure solutions meet requirements.
- **Project Delivery:** Oversee the development process, ensuring timely delivery of high-quality software.
- **Client Interaction:** Conduct regular client meetings for progress updates, issue resolution, and feedback.
- **Issue Resolution:** Resolved complex technical issues in ASP.NET-based projects, ensuring seamless performance and minimizing downtime.
- **Collaboration with QA:** Work closely with QA to resolve bugs and clarify queries during testing.
- **Code & Design Reviews:** Participate in reviews to maintain code quality and design standards.
- **Leadership & Mentorship:** Mentor junior developers, providing guidance on best practices and career growth.

Technical Skills

- **Languages & Frameworks:** Vue, React, Angular, JavaScript, TypeScript, NodeJS, SQL, MongoDB, C#, ASP.net.
- **Cloud & APIs:** Autodesk Forge, THREE.JS, BIM360, ACC, Autodesk Design Automation.
- **Development Tools:** Visual Studio, Cursor ,VS Code, Postman, GitLab, Docker.
- **Project Management:** Atlassian (JIRA, Confluence), Trello.
- **Version Control:** Git, SVN, Tortoise Git.
- **Databases:** SQL Server, MySQL, PostgreSQL, MongoDB.
- **Web Development:** Responsive Design (Flexbox, CSS Grid, Media Queries), Tailwind, Bootstrap WebSockets (Socket.io), pub/sub.
- **Authentication:** OAuth 2.0, JWT.

Previous/Inactive Technologies

Previously worked with Python, Java, C, C++, Dart-Flutter Android Development, Android & iOS app development, Machine Learning.

Projects

Hexmail : Discord bot integrating Gmail with Discord for streamlined email management and filtering.

- **Technologies Used:** NodeJS, Python, JavaScript
- **Key Achievements:** Project setup, enabling seamless integration between Discord and Gmail; Implemented real-time email synchronization, enhancing responsiveness; Developed advanced filtering capabilities, streamlining email management; Enhanced security and authentication, ensuring reliable Gmail connectivity; Improved Discord interactions, optimizing user productivity.

Shopping App : Android shopping application built for convenient online purchasing and practical Flutter development experience.

- **Technologies Used:** Flutter, Dart, Android Studio, Firebase Database
- **Key Achievements:** Project setup, facilitating initial configuration and efficient deployment; Implemented real-time Firebase database integration, enabling dynamic data handling; Designed intuitive user interface, enhancing usability and user experience; Integrated secure authentication, protecting user data; Optimized application performance, ensuring smooth interactions.

ClipCraft : User-friendly GUI application enabling efficient batch video processing, compression, and optimization.

- **Technologies Used:** Python, FFmpeg, Tkinter (GUI)
- **Key Achievements:** Project setup, streamlining initial environment and dependencies configuration; Integrated FFmpeg for efficient video compression and resolution management; Developed intuitive GUI using Tkinter, simplifying user interactions; Enabled batch processing functionality, significantly enhancing productivity; Improved video processing speed and reliability, ensuring optimal performance.

CRMNEXT : CRM software enabling efficient contact management, lead tracking, and sales analytics for improved customer relationships and business growth.

- **Technologies Used:** React, Angular, C#, .NET
- **Role:** .NET Developer
- **Key Achievements:** Project maintenance, ensuring continuous functionality and reliability; Enhanced contact management features, improving usability; Integrated sales pipeline visualization, optimizing lead tracking; Implemented advanced analytics, enabling data-driven decision making; Improved overall system performance, facilitating smoother user interactions.

HRMS : HRMS software providing comprehensive employee management, payroll processing, and performance evaluation to streamline HR operations.

- **Technologies Used:** React, Angular, C#, .NET
- **Role:** Full-stack developer
- **Key Achievements:** Project maintenance, ensuring consistent reliability and performance; Enhanced employee management modules, streamlining HR workflows; Implemented efficient payroll processing, reducing administrative overhead; Improved attendance tracking accuracy, optimizing workforce management;

Image Analyzer : Desktop image analyzer application comparing images and highlighting differences to efficiently assist architects in matching floor plans.

- **Technologies Used:** C#, .NET, WPF
- **Key Achievements:** Project setup; Implemented precise image comparison algorithms, enhancing accuracy; Developed intuitive WPF-based GUI, ensuring user-friendly interaction; Optimized performance, significantly reducing analysis time; Integrated visual difference highlighting, streamlining floor plan comparisons for architects.

Bim Manager : Console-based .NET application enabling efficient management of BIM Manager accounts with streamlined CRUD operations.

- **Technologies Used:** C#, .NET, Console Application
- **Key Achievements:** Project setup, simplifying initial environment and deployment configuration; Implemented robust CRUD operations, ensuring efficient data management; Improved account data organization, enhancing accessibility and clarity; Optimized console-based user interactions, ensuring ease of use; Enhanced application reliability, providing stable account management workflows.

Reels Downloader : Android application facilitating seamless downloading of Instagram reels without watermarks or audio loss.

- **Technologies Used:** Flutter, Dart, Android Studio
- **Key Achievements:** Project setup, simplifying environment configuration and deployment; Implemented watermark-free reel downloading, enhancing user satisfaction; Ensured original audio quality preservation, maintaining content integrity; Developed intuitive Flutter-based UI, improving usability and accessibility; Optimized download performance, delivering a smooth and efficient user experience.

Reels Downloader : Automation solution using BIM 360 API to efficiently manage project files, members, and account activities for streamlined project administration.

- **Technologies Used:** BIM360 API, Automation scripts, Python, REST APIs, C#, .NET Console Application.
- **Key Achievements:** Project setup, facilitating BIM 360 integration and deployment; Developed automation scripts for merging, copying, and moving projects, enhancing project management efficiency; Implemented member management features, simplifying user administration tasks; Conducted rigorous testing with local examples, ensuring robust functionality.

CCT- IFC Viewer & Editor : Developed automated conversion of IFC 3D models into optimized asset files for efficient rendering in a web-based IFC viewer.

- **Technologies Used:** IFC, JavaScript, Web-based IFC viewer, Python, Automation scripting
- **Key Achievements:** Project setup, simplifying IFC model integration and environment configuration; Developed automation scripts to convert IFC files into optimized binary assets, enhancing viewer performance; Implemented efficient separation of vertices, edges, normals, and hierarchies, improving asset organization.

Forge Viewer : Developed a Forge Viewer application leveraging Autodesk APIs for efficient 3D model visualization and interaction.

- **Technologies Used:** Autodesk Forge APIs, JavaScript, Node.js, REST APIs, HTML/CSS
- **Key Achievements:** Project setup, streamlining Forge API integration and environment configuration; Implemented interactive 3D model visualization, enhancing user experience; Enabled advanced viewer functionalities (zoom, rotate, measure, annotations), optimizing user interactions; Improved model rendering performance, ensuring smooth real-time visualization; Successfully validated viewer features, aligning closely with Autodesk standards and client requirements.

Education:

Bachelor of Technology in Computer Science
Dr. A.P.J. Abdul Kalam Technical University

High School and Intermediate
Central Board of Secondary Education

Other Skills:

- **Rapid Prototyping:** Proficient in developing quick prototypes to effectively demonstrate potential solutions to clients.
- **Software Selection:** Adept at identifying and implementing software solutions tailored to specific client needs and business goals.
- **Client Collaboration:** Experienced in collaborating with clients, including end-users, to translate business requirements into clear technical specifications.
- **Communication & Teamwork:** Strong written and verbal communication skills, fostering seamless collaboration in cross-functional teams.
- **Creativity & Innovation:** Passionate about delivering creative, innovative solutions to complex challenges.
- **Third-Party Integration:** Skilled in integrating and optimizing third-party libraries and APIs within engineering projects.