Devang Kantharia

Creative Technologist

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Design Skills

User Experience Design
Design Research
Concept Designing
Wireframing
Story Boarding

Technical Skills

Functional Prototyping
Creative Coding
Real-time Motion Graphics
Debugging

Personality

Meticulous
Open-minded
Goal-oriented
Fast learning
Team player

Personal Summary

An Aspiring Pragmatist with a passion for Design & Technology. I hold a good experience of creating logical & innovative solutions to resolve complex problems. I focus on strategizing plans for creative elements of business, products & projects.

During my work tenure, I had experience in designing physical interactive installations, events, simulations, AR/VR experiences, motion graphics, prototyping & concept development using different media, which were designed by conducting various research methodologies, understanding client's requirements & targeted user study.

Education

National Institute of Design, *Master of Design in New Media*   **2016 – 2020**

Gujarat University, *Bachelors in Computer Engineering*   **2008 – 2011**

Technical Examination Board, *Diploma in Computer Engineering*   **2005 – 2008**

Experience

ImmersionX Technologies LLP   **Apr 2022 – Sept 2023**
(Former name Xenium Digital Pvt. Ltd.), Creative Technologist

+ Creating user centric solutions for physical/digital interactive simulations by carrying iterative prototypes, using different game engines, web tools and electronic components, create digital twins and IoT driven solutions in laboratory

+ Creating Interactive Prototypes using different computer vision motion cameras (like Kinect, Intel RealSense, Leap Motion, Zed Camera), IoT Sensors & Electronics Devices (like Arduino microcontroller, Raspberry pi microcomputer, NodeMCU, temperature, ultrasonic, IR, & other electronic modules), Integrating relevant APIs, and deploying solutions using game engines like (Unity3D, UnrealEngine, Three.js), Programming IDE Arduino IDE, Processing, OpenFrameworks, TouchDesigner, tweaking Shader for WebGL as well as OpenGL as per project's requirements

+ Demonstrate all lab projects during client visits including previously completed projects, ongoing projects, and R&D projects, and performing lab maintenance

+ Interact with clients, understanding requirements and their existing setup, proposing ideas based on the client's requirements, creating R&D prototypes in lab and execute the projects with a team on site

+ Coordinating with different teams for concept designing, Market Research, Client Interaction, Team Management, R&D Documentation, Segregating work for R&D team and Deployment team, Lab R&D Prototyping and testing, with Marketing and Project management team to create pitch presentations that includes design plan, prototyping plan, execution plan, AV planning & calculations, project costing, and project timeline

Xenium Digital Pvt. Ltd.   **Jan 2019 – March 2022**
Creative Strategist

+ Concept designing, Market Research, Analysis, Reporting & Documentation, creating pitch presentations, R&D planning, lab maintainance

+ Interact with clients, proposing ideas based on the client's requirements, creating R&D prototypes and execute the idea with a team on site

+ Creating user centric designs for physical/digital interactive simulations

Tools

Team/Project Management
Jira, MS Excel

UI/Wireframing/Prototyping
Balsamiq, Adobe XD, Figma, Miro

3D Designing
Blender, SolidWorks, SketchUp

2D Designing
Photoshop, Illustrator, After Effects

Game/App Programming
Unity, Unreal Engine, Three.js

Creative Tools
TouchDesigner, OpenFrameworks,
MadMapper, Notch VFX, Processing

Web Development
Three.js, ReactJS, React-Three-Fiber,
WebFlow, HTML, CSS, P5.js

Electronics/Physical Computing
Arduino, Raspberry Pi

**Hardware Tools used for
Creative Solutions**
Kinect, Leap Motion, Intel RealSense,
Arduino, RaspberryPi, DMX controller,
HTC Vive, Oculus Quest 2, Looking Glass

Programming Languages
JavaScript, C#, Blueprint and Python

Interests

Interactive Art
Football
Psychology
Travelling
Cultural Diversity

Studio IF   **July 2017 – Jan 2019**
Senior Interactive Developer

+ Requirement gathering, concept building and prototype development
+ Creating user centric simulations & training with technology like IoT, VR,
+ Creative Coding, Machine Learning, and Projection Mapping.
+ Developing UI, writing codes & testing the functionality of the end product

Tata Consultancy Services   **Jan 2015 – July 2016**
Business Process Lead

+ Applying interactive and visual design principles on web applications
+ Elicit constructive feedback & capable of interpreting it into design solutions
+ Managing projects using Agile/Scrum methodology.
+ Projects on WebGL, CMS, Unity and Hybrid app development

TabsBi (TabsFM)   **Jan 2014 – Dec 2014**
UI/UX Designer

+ Redesigning of MVC dashboard using HTML5, CSS3 and Bootstrap 3
+ Developing & optimizing off the shelf website in Telerik MVC Sitefinity
+ Handling the team for development of responsive websites and providing
  technical guidance & resources required from the clients

Investis Corp. Ltd.   **July 2011 – Jan 2014**
Web Producer

+ Developing and maintaining the front-end functionality of websites, mobile Apps
+ Writing cross-browser compliant and creating responsive websites and devising
  SEO strategies and providing technical support to end users

Freelance Work

University of Southampton - *360 degree Igloo interactive installation*   **2023**
Ahmedabad Planetarium - *Two Phygital Games for Space Exploration*   **2023**
Koba Ashram (Museum) - *Touchscreen Infographic App Design & Execution*   **2022**
Khoj Museum - *Interactive Kids Stop Motion Studio*   **2018**
Khetri Museum - *Interactive Installation Design & Execution*   **2017**

Teaching Experience

The Design Village, *Creative Coding using Processing*   **Aug - Sept 2021**
CEPT University, *Creating Abstract Design using Blender*   **Apr – May 2021**
CEPT University, *2D Animation and Composition*   **Jan 2020 (2 days workshop)**

References

Bhargav Padhiyar *(Owner, Studio IF)*   **+91 99240 92769**
Nilesh Ogale *(Colleague, Xenium Digital & ImmersionX Company)*   **+91 97693 22204**
Prof. Jignesh Khakhar *(Mentor, New Media Design, NID)*   **+91 99131 36041**