



# MINISTRY XR

REDESIGNING REALITY

WE ARE HIRING!

*We are a team of spatial computing experts in search of forward thinking individuals who would like to play a role in improving lives through technology.  
If you think you have a passion to do so, send your resume to [melissa.kok@theministry.asia](mailto:melissa.kok@theministry.asia) today!*



# DATA SCIENTIST

You are a data-driven problem solver who seeks solutions to real-world problems using data science. You must be able to put your ideas into action using your data science and software development skills. Your skills will be applied over different verticals, such as e-commerce, agriculture, manufacturing and business, so you have to be adaptable to different industries.

- ✓ Experience and knowledge of machine learning and statistical analysis.
- ✓ Ability to develop software programs and algorithms to perform data acquisition, processing and analysis.
- ✓ Good understanding of data visualization and communication techniques.
- ✓ Programming skills and experience with data analysis programming and platforms such as R, Python and SAS.

## Bonus Points if you have...

- + Experience with Hadoop or similar Big Data framework
- + Knowledge and experience with deep learning and use of tools such as TensorFlow

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# IoT SYSTEMS & INSTRUMENTATION ENGINEER

Your focus is developing and implementing Internet of Things (IoT) sensors and systems, which involves installation, setup and calibration of sensor devices on-site, and assembling chip level sensors with microprocessors and networking components, making sure the sensors work reliably according to operating specifications, and making sure all sensor data is reliably acquired and transmitted to the IoT application backend according to the system requirements specifications.

- ✓ Background in mechatronic or electrical engineering
- ✓ Understanding of IoT technologies, Bluetooth low energy, mesh networks and LP-WAN
- ✓ Good knowledge of sensor technologies and how to integrate them at a chip level
- ✓ Experienced in microprocessor/microcontroller programming, namely Arduino, Raspberry Pi, etc.

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# DEVOPS ENGINEER

You make our deep technology and software capabilities accessible to the outside world by integrating our algorithms into a backend solution and creating efficient and secure APIs to access them. Your focus will be on designing and developing backend solutions, and supporting the rest of the team in integrating their output into the backend.

- ✓ Experience developing backend applications on cloud platforms and/or server boxes.
- ✓ Good knowledge of the technological stack for backend implementations.
- ✓ Good knowledge of networking capabilities and limitations of cloud and server technologies and infrastructure.
- ✓ Good understanding of security issues and practices for developing backend applications.
- ✓ Comfortable with designing web-based APIs for any application.
- ✓ Good teamwork.

## Bonus Points if you have...

- + Experience integrating computer vision and deep learning algorithms with backend applications.
- + Experience with web development and creating web-based dashboards and applications.

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# AR/VR DEVELOPER

The AR/VR developer is focused on designing the system architecture for AR/VR projects, integrating vision, tracking, rendering and interaction technologies, assembling the art and audio assets of the project, and programming the software that enables immersive AR/VR experiences on a wide variety of platforms.

- ✓ Advanced programming with OOP languages such as C#/C++
- ✓ Deep working knowledge of major game engines such as Unity and Unreal.
- ✓ Basic working knowledge of 3D asset creation, texturing, mapping, etc.

## Bonus Points if you have...

- + Experience with 3D modeling and animation tools and workflow.
- + Knowledge and experience with AR/VR tools and SDKs such as Vuforia, Wikitude, etc.
- + Knowledge and experience with sensors and natural interaction devices such as Leap Motion, RGB-D cameras, gaze tracking.

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# COMPUTER VISION ENGINEER

Enabling a computer system to see and understand the world is at the heart of spatial computing. Your focus will be on getting a computer to recognize scenes and objects, tracking the pose of objects and people in real-time, and perform classification tasks based on image input. You will also be designing hardware platforms to be able to carry out these tasks in a variety of scenarios, depending on the application specifications.

- ✓ Experience with computer vision programming tools and software libraries such as OpenCV.
- ✓ Knowledge of mathematical concepts and algorithms related to computer vision, including camera calibration, 3D reconstruction, pose estimation, object recognition, activity recognition, filtering, machine learning, deep learning etc.
- ✓ Ability to work with scientific grade and board-level optical sensors and cameras.
- ✓ Ability to work as a team with data scientists and application developers to create holistic solutions.

## Bonus Points if you have...

- + Knowledge and experience with real-time computer vision algorithms for Augmented Reality.
- + Knowledge and experience implementing computer vision software on mobile devices.
- + Knowledge and experience implementing computer vision software on web platforms.
- + Experience working with point cloud acquisition and processing.

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# TECHNICAL ARTIST

Bridging the gap between the artists and the software developers, the technical artist is adept at creating art assets, integrating them with interactive media, and writing programs that enhance the overall aesthetics of the content.

- ✓ Artistic ability, i.e., sketching, drawing and graphic design
- ✓ Experience with 3D modeling and animation tools and workflow
- ✓ Familiarity with major game engines such as Unity and Unreal
- ✓ Ability to programmatically enhance the aesthetics of interactive media with plugins and shaders
- ✓ Portfolio of hand-drawn or digitally created artwork as well as programming projects

## Bonus Points if you have...

- + Experience with character design, rigging and animation.
- + Experience or knowledge with shader programming
- + Experience or knowledge with other platforms such as web, mobile, etc.

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# ART DIRECTOR

This role centers on team management and spearheading initial concepts of a project. Once the concept is set, you will see the project through the phases of the development life cycle. You will lead a team of UI UX Designers under you and will be getting down to the little details while keeping a holistic vision of the project to ensure that it meets the client's needs.

- ✓ Good communication skills and able to articulate creative vision to the team.
- ✓ Ability to make sound creative direction decisions and take technical requirements into consideration.
- ✓ Able to effectively delegate, motivate and oversee the creative team to ensure that the work meets the overall timeline requirements and quality standards of the project.
- ✓ Advanced knowledge and understanding in the creative field especially in UI/UX design.
- ✓ Must have a passion to learn and understand new technologies and how to apply or optimize its U/UX design.
- ✓ Possess **minimum 4-6 years of experience** and knowledge in the creative field.

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# COPYWRITING & COMMUNICATION PRODUCER

You will be using the power of words and language in the business of persuasion. You will play an integral part in strategizing and copywriting content across multiple media platforms for varied audiences. This role requires you to be working together with a wide range of people from technical and creative departments as well as production and management teams.

- ✓ Able to independently create content for blogs, website, social media, sales kits etc.
- ✓ Have basic understanding of how SEO works and using it in copywriting tasks.
- ✓ Good computer literacy especially in Microsoft Word, PowerPoint and G Suite applications.
- ✓ Able to conduct quality research for content writing & strategizing.
- ✓ Must have a passion for learning and understanding new technologies.
- ✓ Excellent proficiency in the English language and able to effectively articulate points.

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# CLIENT RELATIONSHIP MANAGER

Build and maintain long-term relationships with clients to ensure a continued relationship with Ministry XR. You will get to work with people of diverse backgrounds and temperaments, in fast paced environments and maintain full knowledge of our expertise to match what the client needs to what we can do for them. You will manage client expectations and the day-to-day operations of a client account(s).

- ✓ Completed a Diploma or Bachelor's degree relating to marketing, advertising, client management or related fields.
- ✓ Minimum 2 years of advertising/marketing, account management experience is preferred.
- ✓ Must have ability to produce reports, presentations and professional correspondence in a clear and articulate manner.
- ✓ Must be proficient in Microsoft Office (Word, Excel, PowerPoint) and G Suite applications.
- ✓ Able to multitask and conduct industry research, competitive analysis and/or other research tasks as assigned by supervisor.

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# CONTENT PRODUCER

You will be directly supervised by the VP of XR Production in a fast-paced environment to assist in managing and monitoring production as well as post-production processes to ensure timelines are kept and client needs are met. Here, you will be coordinating from the start to finish of a project and be a key person in both internal and external communications ie. clients, vendors, operations team and management.

- ✓ Have knowledge and skill in video editing using Adobe Premiere Pro.
- ✓ Able to effectively produce and carry out briefs for reports, proposals, presentations and schedules in a clear and articulate manner.
- ✓ Be a team player but also able to work independently to complete tasks.
- ✓ Attention to detail in ensuring the quality standards and objectives of the production are met.
- ✓ Efficient in monitoring and following up on the timeliness of tasks from multiple parties.
- ✓ Have minimum 3 years of experience in film and content creation industry.

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# JR. PROJECT MANAGER

You will be directly supervised by the VP of XR Production in a fast-paced environment to assist in managing and monitoring projects to ensure timelines are kept and client needs are met. Here, you will be coordinating from the start to finish of a project and be a key person in both internal and external communications ie. clients, vendors, operations team and management.

- ✓ Must have a passion for learning and understanding new technologies.
- ✓ Must be proficient in Microsoft Office (Word, Excel, PowerPoint) and G Suite applications.
- ✓ Able to effectively produce and carry out briefs for reports, proposals, presentations and schedules in a clear and articulate manner.
- ✓ Be a team player but also able to work independently to complete tasks.
- ✓ Attention to detail in ensuring the quality standards and objectives of the project are met.
- ✓ Efficient in monitoring and following up on the timeliness of related parties' tasks.

## Bonus Points if you have...

- + Experience in film production, advertising, marketing or account management

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