



Maldives Immigration

Male, Maldives

Title: **Consultant Software Architect**

MALDIVES IMMIGRATION requires the services of a software developer to act as an independent Software Architect Consultant. As an Consultant Software Architect, your roles and responsibilities will encompass a wide range of tasks related to designing and implementing comprehensive information and communication technology solutions at Maldives Immigration.

The Scope of Work:

1. Requirements Analysis:

- Collaborate with all stakeholders, and end-users to understand their business needs, goals, and requirements.
- Conduct thorough analysis of existing systems, infrastructure, and processes.

2. Solution Design:

- Develop high-level and detailed designs for information and communication technology solutions that align with business objectives.
- Create system architecture, considering scalability, security, performance, and integration requirements.
- Design data models, application interfaces, and system components.

3. Technology Evaluation:

- Evaluate and recommend technologies, tools, and platforms that best fit the requirements of the solution.
- Stay informed about emerging trends and advancements in information and communication technologies.

4. Collaboration and Communication:

- Work closely with cross-functional teams, including developers, system administrators and the management.
- Communicate complex technical concepts to non-technical stakeholders.

5. Project Planning and Oversight:

- Contribute to project planning by providing technical input, estimating effort, and defining milestones.
- Manage and implement projects using standard project management tools and workflows.



- Oversee the implementation of the solution to ensure it aligns with the architectural vision.

6. Risk Management:

- Identify potential risks related to the technology architecture and propose mitigation strategies.
- Incorporate and communicate information security best practices
- Ensure compliance with industry standards, regulations, and best practices.

7. Software Development:

- Develop complete full-stack web, mobile and desktop applications independently or as part of a team.
- Develop and integrate security products with existing or new software
- Design and implement and maintain TDD & DevOps practices for streamlined software development and deployment processes.
- Develop prototypes and proof-of-concept implementations to validate architectural decisions.
- Conduct performance testing and optimization as needed.

8. Documentation:

- Create and maintain comprehensive documentation of the solution architecture, design decisions, and implementation details.
- Provide documentation for end-users and technical teams.

9. Continuous Improvement:

- Participate in post-implementation reviews to identify areas for improvement.
- Foster a culture of continuous improvement within the technology team.

10. Training and Mentoring:

- Provide guidance, training, and mentorship to development teams.
- Stay informed about industry best practices and share knowledge with team members.

Deliverables:

The candidate should submit internationally accepted certificates, that relates to ICT and Cyber Security.

1. Documentation: Where applicable user and developer documentations should be provided for all projects developed.
2. Source Code: Source code of all developed application should always be maintained in software repositories specified by Maldives Immigration.



3. Presentation: Presentations related to ongoing projects should be made available upon request.
4. Reports: Any reports requested by Maldives Immigration should be made available upon request.

Education:

The candidate should submit internationally accepted certificates, that relates to ICT, Software Development / Information Security.

Experience:

1. The ideal candidate for this job must have minimum 7 years of work experience.
2. Have in-depth knowledge and hands on experience of industry standards and software technologies.
3. The candidate must have at least an year of ICT management level experience. Experience providing guidance, training, and mentorship to development teams.
4. The candidate must have a basic understanding of eGov infrastructure. Previous experience in design and development of a government software is a plus.
5. Proven experience in conducting comprehensive requirements analysis with stakeholders and write precise requirement specifications.
6. Proven experience in conducting comprehensive requirements analysis with stakeholders and end-users. Expertise in evaluating existing systems, infrastructure, and processes to identify improvement opportunities.
7. Proficiency in developing and integrating robust authentication mechanisms and hardware security products with software applications.
8. Experience providing documentation for both end-users and technical teams.
9. Knowledge of designing and implementing DevOps practices for streamlined software development and deployment processes.
10. Must have excellent command of the spoken and written language. (English and Dhivehi)
11. Must have extensive experience in designing, developing full-stack web, mobile, and desktop applications independently or as part of a team.
12. Experience in the following technologies:
 1. Strong knowledge of RDMS: Microsoft SQL Server, MySQL, Oracle
 2. Experience in In-Memory Databases: Redis, MongoDB
 3. Backend Development with PHP, Laravel, Javascript, Go and Dart

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4. Frontend Development with React, Flutter and Livewire
5. Scripting languages: Bash, Python
13. The candidate should have experience in deployment and administration of systems using:
 1. VMWare VSphere
 2. AWS
 3. Bare Metal Servers (NIX based)
 4. Network & Object Storage
 5. Network & Systems Firewalls
 6. Docker / Podman