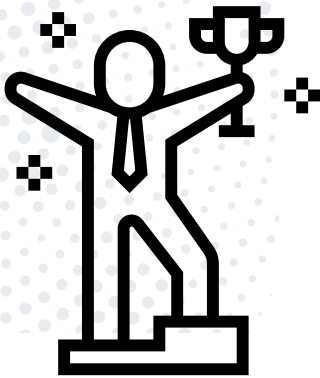**CG-VAK**
SOFTWARE & EXPORTS LTD.

Optimizing Client Portal, Project Management, and Bidding using Ruby on Rails

Client: The client is a recognized construction firm, located in the USA.

Business Challenge:

They wanted to create a modern client portal and bidding platform to streamline their project management and bidding process. The client had specific requirements for the platform, including user authentication, project management, bidding system, invoicing, and reporting. They also required a scalable solution that could handle their growing client base and complex workflows.
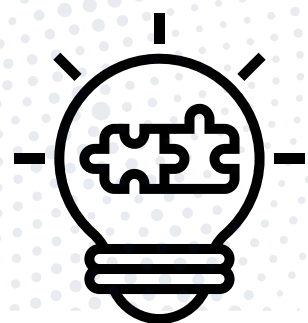
Solution Delivered:

After evaluating various options, we recommended Ruby on Rails as the primary technology for developing the platform.

The project was divided into several phases including planning, design, development, testing, and deployment. During the planning phase, we worked closely with the client to understand their requirements and develop a comprehensive project plan. We also created wireframes and mockups to help the client visualize the platform. We used HTML5, CSS3, and JavaScript to create a responsive and user-friendly interface for the platform. During the development phase, we implemented the core features of the platform, including user authentication, project management, bidding system, invoicing, and reporting. The bidding system was a complex feature that required a high level of customization. We created a flexible and dynamic system that allowed clients to create and manage bidding projects, invite subcontractors, receive bids, and select the best candidate. We also integrated invoicing and reporting capabilities to provide a complete project management solution. We used Amazon Web Services (AWS) for hosting and logging to track system performance and troubleshoot any issues.

Business Benefits:

The client portal and bidding platform were launched successfully, and it received positive feedback from users. The other business benefits are:

- Streamlined bidding process and project management.
- Increased efficiency and reduced costs.
- Flexibility and scalability with Ruby on Rails.
- Robust back-end ensuring reliability and performance.
- Comprehensive project management solution
- Positive user experience
- Customization
- Easy maintenance
- Enhanced security with support and resources
- Increased revenue in the long term.

Technologies Used: