

Building an Application Tracking System with Angular and Java

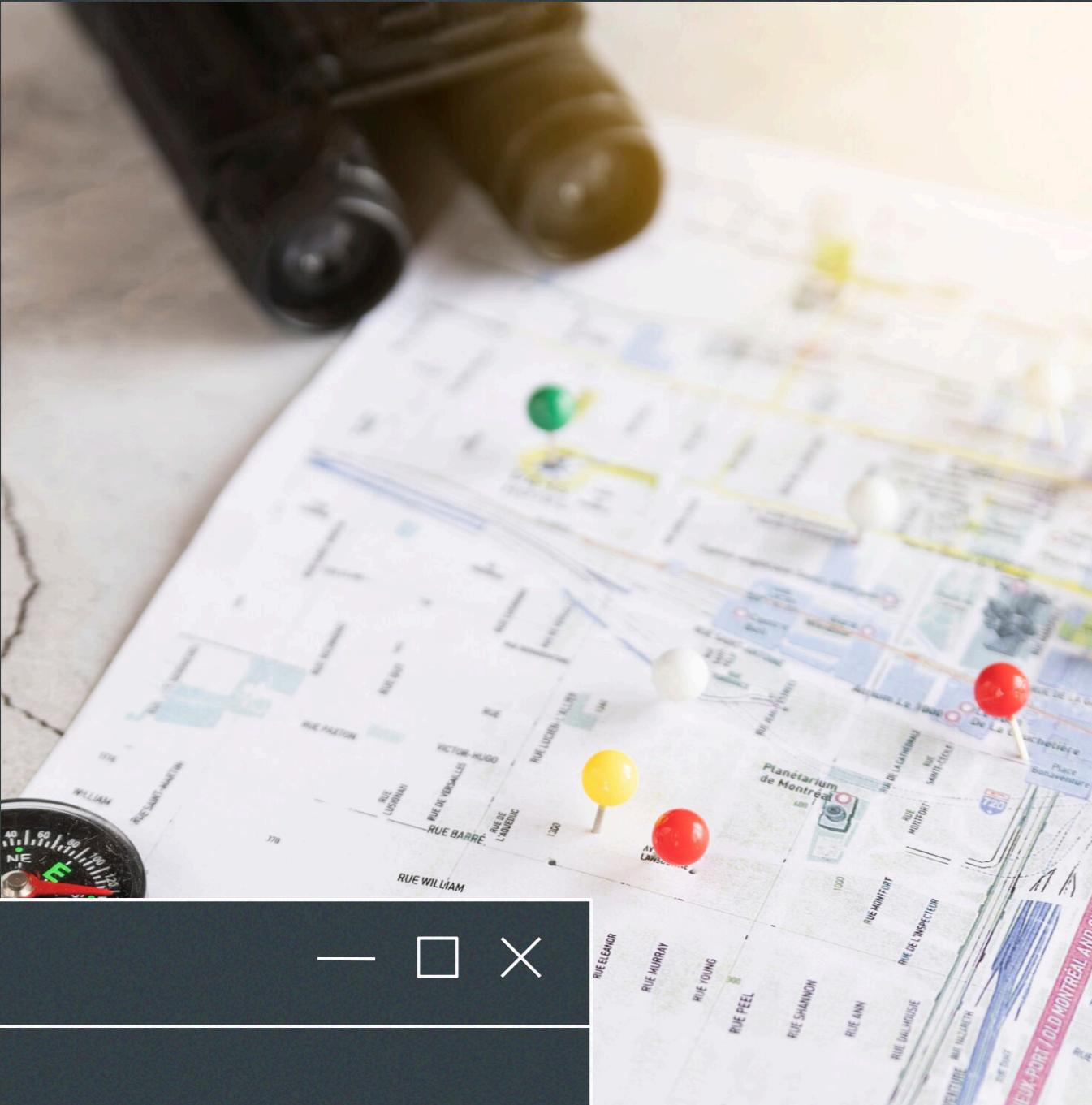
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Introduction



This presentation discusses the *challenges* and *learnings* in building an Application Tracking System with **Angular** and **Java**. The journey of combining front-end and back-end technologies will be explored.





Project Scope

Defining the **requirements** and **functionality** of the Application Tracking System. Balancing the complexities of **Angular** for the front-end and **Java** for the back-end.



Angular Framework

Navigating the intricacies of **Angular**. Discussing the use of components, services, and modules. Overcoming the challenges of asynchronous operations and data binding.



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Java Backend

Leveraging the power of **Java** for building a robust and scalable back-end.
Addressing the challenges of data persistence, security, and integration with the front-end.



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Data Management

Managing data flow between **Angular** and **Java**. Exploring techniques for efficient data transfer, validation, and error handling. Implementing RESTful APIs for seamless communication.

User Experience

Enhancing the user experience through **Angular**. Discussing responsive design, UI/UX considerations, and performance optimization. Overcoming challenges in creating a seamless interface.

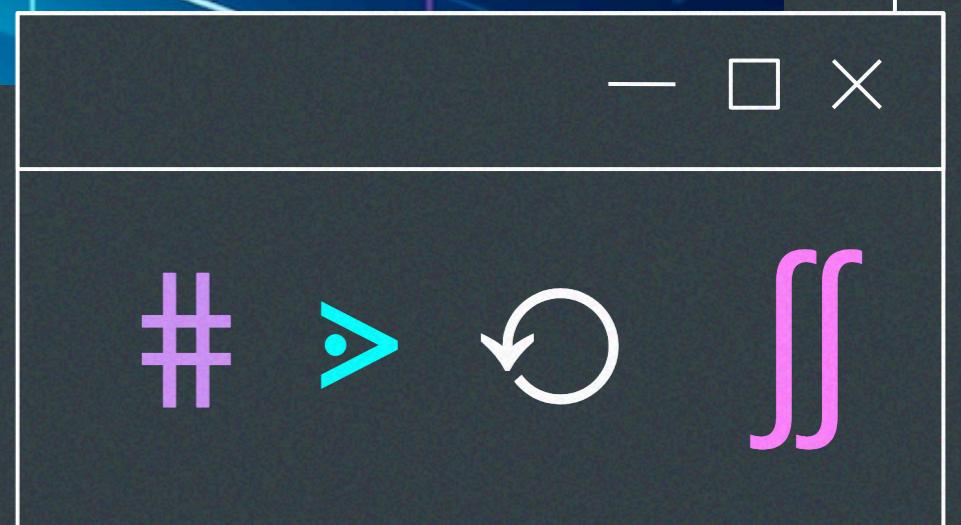


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Security Measures

Implementing robust **security measures** in the Application Tracking System. Addressing authentication, authorization, and data protection. Overcoming challenges in securing both front-end and back-end.



Testing and Debugging



Strategies for **testing** and **debugging** the integrated **Angular** and **Java** components.

Overcoming challenges in unit testing, integration testing, and debugging complex interactions.

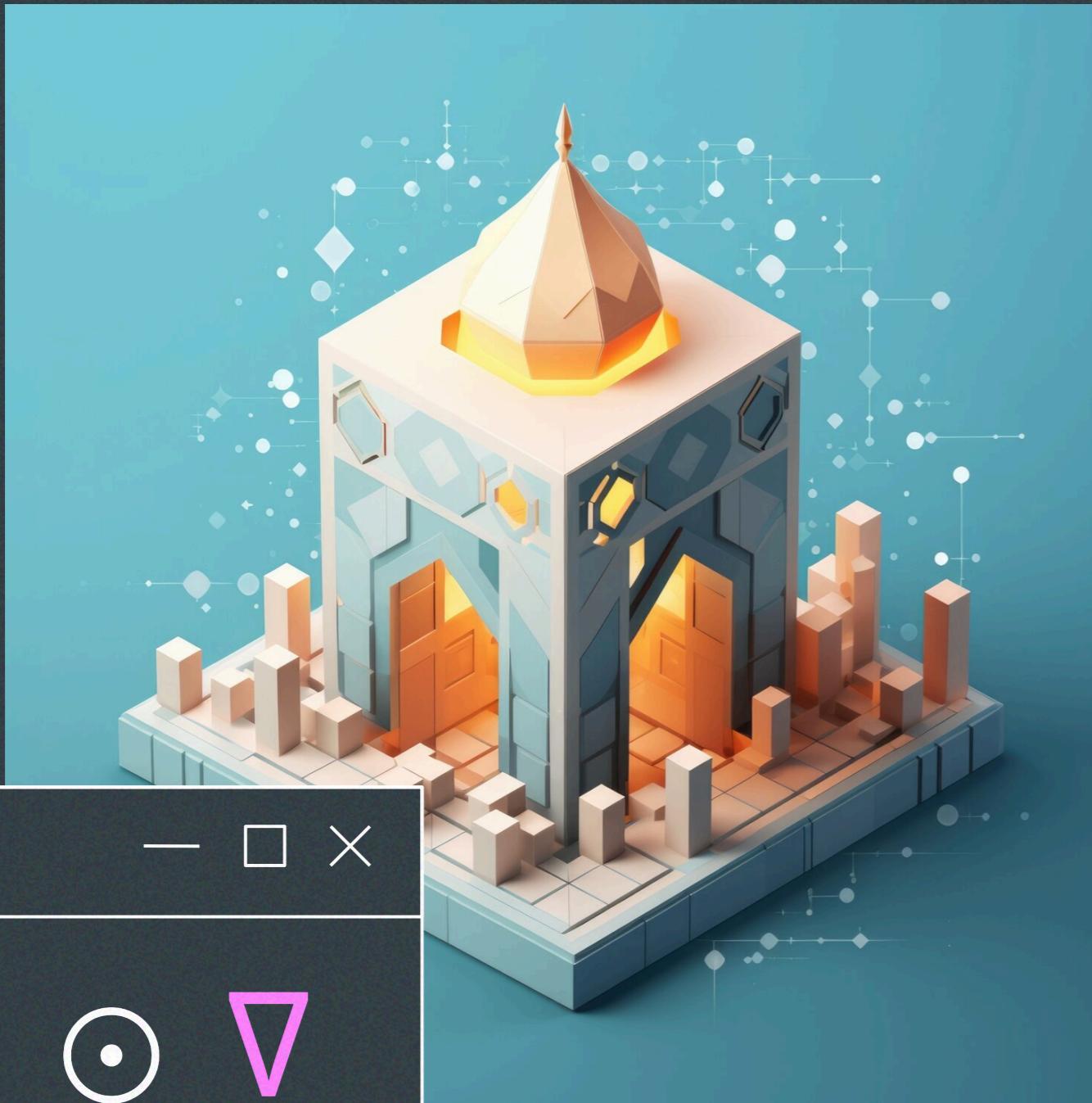




Performance Optimization

Optimizing the performance of the Application Tracking System. Discussing techniques for improving **Angular** application speed and **Java** backend efficiency. Overcoming performance challenges.

Deployment and Scalability

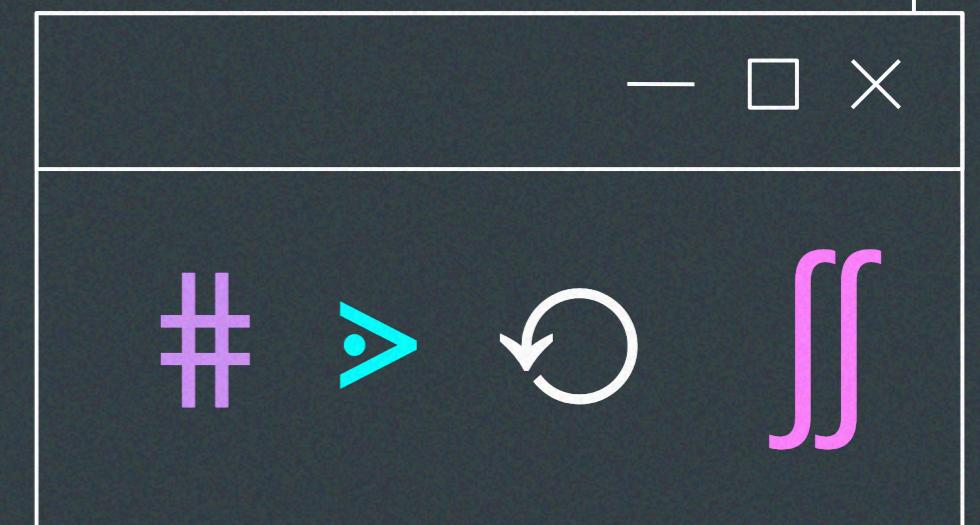


Strategies for **deployment** and **scalability** of the Application Tracking System. Addressing challenges in deploying **Angular** apps and scaling Java back-end to meet growing demands.



Lessons Learned

Reflecting on the key **lessons learned** in building an Application Tracking System with **Angular** and **Java**. Summarizing the challenges and the valuable insights gained.





Conclusion

Concluding remarks on the journey of building an Application Tracking System with **Angular** and **Java**. Emphasizing the importance of overcoming challenges and the potential for continuous improvement.



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Thanks!

KARTIK TRIPATHI

+91-9302361414

kartiktripathi1905@gmail.com

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