CASE STUDY

POWERFUL, INTEGRATED ONLINE DICTIONARY STREAMLINES DIGITAL LEARNING FOR STUDENTS

Customer Background

Our client is re-imagining the way teachers teach and students learn. They enable teachers to manage whole classrooms and, at the same time, empower them to offer more personalized instruction, and accelerate the potential of individual students to become more active, engaged learners. Their digital products are leading the way in data-driven instruction, breaking new ground in mobile learning and setting the standard for next-generation digital curriculum and assessment. Their professional services help educators improve the way they integrate technology and use data in the classroom.

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Business Challenge

Our client needed to extend their product portfolio with an online English dictionary that could be integrated across their product suite. The dictionary would help educators and students find and learn unknown words throughout their learning process. As the dictionary would be used by children it was essential for the search facility to be powerful, yet simple to use, and also that it could utilize interactive games and other company's interactive learning products, in order to ensure the learning process is fun as well as instructive.

Project Description

SoftServe worked in close collaboration with the client to understand their application and business goals, before delivering the finished solution, from concept to completion, within a tight 3 month timeframe. The solution combines Grails, ElasticSearch and PostgreSQL, while the user interface was built using the latest AngularJS framework, and SoftServe's Design Office leveraged best practices to build the application UI.

The application includes the following features:

- Searching for words (powered by ElasticSearch)

- "History" feature displaying all words ever viewed by the user

- "Popular words" feature displaying the most viewed words in descending order

- Pronunciation of words

- Highlighting of cross-references

- Highlighting a word to search

- Mobile device support

Value Delivered

The full-blown online English dictionary application designed and implemented by SoftServe, meets all of client's expectations and aids the student and educator learning process.

By developing a custom dictionary application, rather than utilizing an off-the-shelf online dictionary application, our client now have a tool that fully integrates with existing learning tools and further streamlines digital learning in the classroom.

ABOUT US

SoftServe is a digital authority that advises and provides at the cutting-edge of technology. We reveal, transform, accelerate, and optimize the way enterprises and software companies do business. With expertise across healthcare, retail, media, financial services, software, and more, we implement end-to-end solutions to deliver the innovation, quality, and speed that our clients' users expect.

SoftServe delivers open innovation—from generating compelling new ideas, to developing and implementing transformational products and services.

Our work and client experience are built on a foundation of empathetic, human-focused design that ensures continuity from concept to release.

We empower enterprises and software companies to (re)identify differentiation, accelerate solution development, and vigorously compete in today's digital economy—No matter where you are in your journey.

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