Enterprise Apps Development

Success stories

Enterprise Application Development Services

DWS offers world-class, full-stack software development services to support customers on their digital transformation journeys. From front-end to back-end, via API or custom integration, our software projects are governed by Agile Project Management to deliver quality, on time and on budget, **#DevSmart.**

Application development services, delivering success for our customers

DWS has a long-standing reputation for delivering market-leading services and software. We have built strong and long-lasting partnerships with our clients by building a detailed understanding of their specific requirements and consistently delivering high quality, on-time and within-budget solutions.

Here are just some of our latest success stories.

Service Overview

- Web App Development
- Mobile App Development
- Custom App Development
- Block Chain Development

Pacific Health Corporation - Web Apps Development

Brand/Sector:

Pacific Health Corporation

Technology:

- .NET
- Python
- Angular
- MS Factory
- Power BI

Project:

To design a web application and develop a data processing tool to extract and collect multi-source data from sales and marketing teams (sources – API, website, excel files, social networks etc.). To standardise data and provide analytic reports to business management to optimise sales/marketing performance.

Solution:

- Drawing data from a wide range of sources and allowing users to import huge files.
- Creation of a bespoke dashboard to visualise reports from database.
- Creation of web interface to add or modify database records.

Outcome:

- Clear sales and marketing performance tracking.
- Ability to analyse factors affecting performance including market and customer behaviour.

Performance Tracking

Enhanced Analytics

UK Resort & Spa -
Web Apps Development

Brand/Sector:
UK Resort & Spa

Technology:

- Ruby
- HTML
- CSS
- Contentful CMS
- WordPress CM
- ReactJS (NextJS)

Project:
3 concurrent projects augmenting the Spa's web app:

- Moving blog content from old CMS to Contentful CMS
- Building My Account system
- Improving SEO and Conversion Rate Optimisation

Solution:
Our team of developers worked alongside the client to:

- Scope, design and build a new Blog site migrating from WordPress CMS to Contentful CMS.
- Design and build of the My Account function to enable users to manage their bookings and profile.
- QA and Software testing.

Outcome:
- Successful delivery of upgraded systems within agreed timescale.
- Additional projects on-going.

Multiple projects on-going

Successful upgrade

Construction Company - Custom App Development

Brand/Sector:
Construction

Technology:
- Frontend – ReactJS, HTML5, CSS3, MaterialUI, Redux.
- Backend – Java, NodeJS, Apache Spark.
- Big data – DeltaLake, DeltaBrock, Neo-Flow
- Database – MySQL, PostgresSQL

Project:
Workpack - an integrated software platform that provides solutions for project management in the engineering and construction industry; enabling contractors to improve management of complex, large scale projects.

Solution:
Delivery of the Team Insight platform, comprising multiple modules, including: various modules including Workpack Manage, Workpack Planner and Workpack Ass emble which enables contractors to manage and plan all aspects of a project in accordance with international standards.

Outcome:
Easy to use, feature-rich system providing tools to enable users effective project management.

Advanced Functionality

Intuitive Interface

Commercial Bank - Mobile Apps Development

Brand/Sector:
Fintech – one of the largest commercial banks in Vietnam.

Technology:

- Java, Spring Boot, Kafka
- Platform:
- Backbase, Microservices, Kubernetes.
- Mobile App:
- iOS & Android.

Project:
Part of the client's overall digital transformation – enabling digital banking services to be offered to their customers on both Web and Mobile platforms.

Solution:
Working on-site with the client's existing team:

- Design and code new features, integration with existing systems via APIs.
- Consultancy to optimise system performance.
- Development of features for mobile App.
- QA/QC and testing services.

Outcome:
- Successful development and delivery of a range of features for back-office applications and the mobile App.

- Creation and maintenance of process documentation relative to the financial banking domain.

Process Documentation

Mobile App Development

Professional Private Network - Mobile Apps Development

Brand/Sector:
ALUMNI – Professional Private Network

Technology:
- Back end:
  - NET, Core 2.1 & Web API Core 2.1, SignalR, Entity framework Core 2.1

- Front end:
  - Angular 5, HTML5/CSS3, Bootstrap 4, Google Map API

- Mobile:
  - React Native 0.54.2, Redux & Redux-Saga, Google Map API

Project:
For this organisation we designed and developed an Alumni professional networking app for mobile users, including private messaging functionality.

To provide consultancy, design and development services to build the ALUMNI mobile App from scratch.

Solution:
- Provision of a full service team – project management, front and back end development, testing and implementation.

- Development of advanced features including messaging app, message board and secure membership portal.

Outcome:
Delivery of the Alumni Mobile App featuring:

- Real-time integrated geolocation for a personalised user experience
- Full user security and privacy.
- Easy to use and intuitive UX

Security First Principles

Personalized User Experience

Financial Services – Blockchain

Brand/Sector:
Fintech, Credify.

Technology:

- EOS (Blockchain Software Archtecture)
- U-Prove (Microsoft)
- OpenID
- Kubernetes

Project:
We worked with this financial services company to provide a secure block-chain driven Universal Identity and Trust solution for businesses active in the e-commerce and digital finance sectors.

Solution:
Engaged as an official technology partner for Credify to develop areas including:

- Privacy preservation – user controlled unique and universal identity solution where third parties can securely attach rich sources of information including KYC results and proprietary credit scores.
- Tokenised asset wrapper and issuance platform.
- Patent Pending vouching system, easily integrated into various online ecosystems and digital finance.

Outcome:
- Worked in collaboration with the in-house Credify team, delivering a product with the following features:
- Secured by Blockchain – personal data can only be managed by the user themselves.
- Secured by Blockchain the data cannot be leaked or breached.
- Universal ID – users can use the same ID across multiple services.
- As personal information is not centrally managed, account management costs are reduced.

Universal ID

Bespoke Vouching System

Financial Services – BlockChain

Brand/Sector:
Fintech, Crypto Trading Exchange Platfor

Technology:
- Back-end – Java (Spring). Front-end – Angular
- Mobile – Flutter
- Integration with Fiat Payment Systems and live chart data (TradingView).
- Database – MariaDB/MySQL
- Blockchain – BTC, ETH, TRX, BCH, LTC, USDT, XUSD

Project:
To assist the client in the creation of a crypto-currency platform (website & mobile App) from scratch. To enable users to trade, store assets in the wallets and withdraw/deposit funds –securely. To integrate with the TradingView platform to enable real-time updates.

Solution:
- Responsible for platform architecture and design and the development of the crypto currency exchange web and forthcoming mobile Apps in line with business requirements
- QA/software testing of various functions, real-time data chart, custom UI interface and cases of internet connection and disconnection.

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Outcome:
Successful delivery of the project featuring:

- User authorisation (Google Authenticator)
- Real-time data chart updates.
- User interface customisation.
- Crypto wallet integration and security.
- Deposit and withdrawal via bank transfer and other digital methods.
- Trading and analytic tools for users.
- Matching engine.

Backstage management system:

- Admin management.
- User management – asset management, abnormal behaviours alert, VIP user set-up.
- Initial Exchange Offering listing and management. Blockchain currency (Blockchain currency management, transaction records, reports and dashboards.
- General system management including third-party platform set-up, handling fees set-up, log information.

Data Management – DevOps

Brand/Sector:
Data management & Storage

Technology:

- Terraform, Scrapy, Asure Logic Apps
- Azure DevOps, Azure Data Factory
- SQL server, T-SQL
- Storage Blob

Project:
For the data management company we rolled out a replacement to their legacy data platform, designed to ingest, clean, consolidate and aggregate customers' business data.

Solution:

- Build out the base architecture in Azure Cloud and automate the deployment with pipelines.
- Build automations for import, transformation, output and other integrations.
- Test environment and automations.
- Consultancy covering how to support and maintain the platform.

Outcome:
- Scoping and completion of systems architecture.
- Delivery of new data platform/warehouse to replace legacy solution.
- Documented procedures for maintenance

Automated Deployment

Legacy Systems Upgrade

For further information please visit our website, or contact us:
UK: +44 (0) 1494 896 600   US: +1 888 769 3248   ANZ: +64 (0) 9427 9956
sales@dws-global.com   www.dws-global.com

ORACLE | Partner