CYBAGE

Developed a cloud-based easy-to-use bookkeeping platform for accountants and small businesses

About Client

Delivers best-in-class, market-leading accountancy suites of software products ranging from practice management to compliance and tax to accounting for over **40 years**

Over **57,000** time-strapped business owners use the company's accounting software to stay in control of their accounts, get paid faster, and make sure that they are tax compliant

Their directory enlists more than **500 different accountancy companies** in the UK

Provides extensive legislative compliance when legislation such as **MTD, PVA, Brexit** were announced

Submitted nearly **four million** tax returns in 2020

The solution **saves 22 hours** per person, per month

UK's largest private software company trusted by more than **21,000 accountancy firms** in the country of which 90 are among the top 100

Business Needs

- Develop **easy-to-use functionality that does everything accountants need** from quoting and invoicing to getting paid on time
- **Manage bookkeeping for accountants** and their clients
- **Provide support for legislative changes** such as MTD VAT, PVA, Brexit
- **Release REST API to public** to promote third-party integration
- **Integrate with leading payment providers** to set up multiple and faster payment methods
- **Store all data in one place** by keeping an eye on the performance with 50+ KPIs, Dashboard, and reports
- **Stay synced** by linking bank accounts to accounting software
- Boost the business with **customized invoices**
- **Integrate with Ecommerce applications** such as eBay, Amazon, Shopify

Solutions

- Developed **an intuitive cloud-based accounting software** for small and medium sized enterprises
- Re-architected and re-engineered UI component library
- Made SOAP API open to public for integration with other applications
- Designed intuitive UX with strong focus towards accountants using Angular 11
- Incorporated legislative features as per HMRC's norms
- Released REST API to public using Apigee and Okta
- Automated deployment through Azure CICD pipelines
- Integrated Datadog to improve logging
- Integrated Zapier to automate processes
- Revamped test suite and QA automation framework
- Developed **secure payment process** through **SCA** for card payments
- Integrated with payment providers such as WorldPay

Technology Stack

Languages and Framework

.NET | ANGULAR | Angular Material | Groovy | C# | JS | Dapper | { REST:API } | Exceptional | SoapUI Supported by SMARTBEAR | Selenium

Databases | Cloud Platform

SQL Server | Azure DevOps | Azure Database

Testing Tools

Selenium | TestRail | BrowserStack | JMeter | SoapUI Supported by SMARTBEAR | Responsinator | Fiddler | POSTMAN

Development Tools

Hangfire | GitHub | Azure Repos | Jira | Confluence | sonarqube | DATADOG | Figma | Sass | Wikipedia | Swagger | apigee | Okta | SharePoint

Business Impact

- Submitted nearly **1 lakh tax returns in 2020**
- Improved **NPS score** from **negative number to +7**
- Completed **SCA compliant** card payments
- Achieved **2x improvement** in time-to-market due to weekly deployments
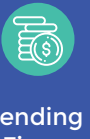- **Reduced** production bug leakage by **80%**

- Succeeded in maintaining existing customer base significantly **even in pandemic**
- Made existing customers happy by **providing timely support** for on demand feature requests
- **Prepared customers for legislation changes** such as MTD VAT, PVA, Brexit, MTD ITSA
- Significantly **reduced customer issues**
- Provided **frequent releases** with less or no involvement of operations and down time

Cybage FinTech Expertise

Payment Tech | Lending & Finance | Wealth & Crypto | Enterprise FinTech Solutions

Digital transformation of accountancy and bookkeeping platform

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