



dQuest.AI Product & Use Cases



About Us

- Incorporated in 2009 as AI Software LLC—rebranded as SharpQuest, Inc. in 2021
- **Offices** in US (Troy, Michigan), Canada (Windsor) & India
- **Industries** – Healthcare, Automotive, Insurance & Benefits, Manufacturing, Technology
- **Clients to Note** – IHS MarkIT, IPC Hospitalist (now TeamHealth), Graham Healthcare, Western Digital, Quorum Software, Cognex, Plastic Omnium, SolXSys

Technology Partnerships

Microsoft Partner

Gold Application Development
Silver Cloud Platform





Services

- **AI Integration**

- Generative AI – API Integrations
- Bulk Document Processing
- Predictive Analysis
- Data Annotations & Categorizations
- Image Processing & Vision AI
- Text to Speech & Speech to Text
- Customer Support Chat Bots
- Email Inbox Processing
- Email Bot Development

- **Business Process Automation**

- **Web/Desktop Application Modernization**
- **Mobile App Development**
- **Database Design & Migrations**
- **Cloud Hosting**
- **DevOps Automation**

- **HIPAA compliant development practice**

- **Static Code Analysis**
- **Dynamic Penetration Testing**
- **Agile Project Management**



Product – dQuest.AI

- dQuest.AI is a no-code SaaS solution that helps integrating AI capabilities in enterprise applications to automate business workflow.
- The software is industry agnostic and can easily support use cases for multiple departments across industries
- Unique needs of customers can be easily accommodated with necessary customization

- **Features**

- Gather structured data from unstructured documents, emails, images
- Automate business processes
- Build and host Email Bots

The screenshot displays the dQuest.AI website interface. On the left, a promotional banner features a man with glasses and the text: "Supercharge Your Document Processing with AI". Below this, it states: "Automate workflow in any industry, cut manual effort time with dQuest.ai. Transform Your Document Workflows". At the bottom of the banner, it says "We support integration with" followed by logos for Azure, ANTHROPIC, Gemini, and OpenAI. On the right side of the screenshot, a white login form is overlaid on a dark background. The form includes the dQuest.AI logo, a "Login" heading, a link for "Don't have an account yet? Sign Up", and input fields for "Email" (containing "User Login") and "Password" (containing "Password" and a toggle icon). Below the input fields is a blue "Login" button, and at the bottom are two buttons for "Sign in with Microsoft" and "Sign in with Google".



Possible Use Cases for Applicant Tracking Systems

- Bulk Resume Processing (parse) with client configurable data points.
 - dQuest can parse the resumes using AI and provide answers to questions that user configures – such as ‘what is total experience in C#?’, ‘does candidate have Azure certificate?’ etc.
- Setup email Inbox for resumes and automate the data entry in ATS
- Setup online web forms where candidates attach resume and process the upload requests to parse and automate data entry in ATS
- Resume Categorization
- Operational Efficiency
 - Use AI-driven tools for back-office operations such as document management, data entry, and compliance checks.



Product – dQuest.AI – Interactive Analysis

- Interactive Analysis is useful to review a large document and ask questions
- Save questions for future analysis of similar documents
- It is also used to configure analysis types that can be used for bulk process

SharpQuest, Inc. Interactive Analysis

Prakhar Srivastava
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EDUCATION

California State University, Long Beach, CA Master Of Science, Computer Science	Aug 2021 – May 2023 GPA: 3.64
Galgotias College Of Engineering & Technology, Gr Noida, India Bachelor Of Technology, Information Technology	Aug 2014 – May 2018 GPA: 7.1/10

TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C, HTML, CSS, JavaScript.
- **Frameworks and Libraries:** Spring, Hibernate, Django, Flask, NumPy, TensorFlow, Bootstrap, Reactjs, Angular
- **CRM:** Salesforce, Lightning Aura Components, Lightning Web Services (LWS), Apex, SLDS, AWS, Heroku
- **Tools:** VS Code, Data loader, Workbench, ANT, JetBrains PyCharm, GIT
- **Database/ Methodologies:** SQL, SOQL, SOSL, Postgres, NoSQL, Agile/Scrum.

PROFESSIONAL EXPERIENCE

Graduate Research Assistant Sep 2022 – Feb 2023

- Developed the UI of a crack detection app that detects cracks on road on basis of color using **HTML/CSS** and **JavaScript**.
- Built responsive, cross-browser compatible user interfaces using **Bootstrap**, significantly improving the user experience.
- Optimizing website performance and load times using advanced techniques such as lazy loading, minification, CDN caching.
- Hosted the crack detection app on local server using **Flask** and **Jinja** templates.

Programmer Analyst, Cognizant Technology Solutions Aug 2018 – July 2021

- Developed web portal to display balance transfer sheet & customer information using **Java Spring Boot** framework, **HTML/CSS**
- Designed and developed **microservices** using **Spring Boot**, deployed them on **Kubernetes**, improving scalability & reliability
- Implemented **CI/CD** workflows using **Jenkins** and **Git**, automating builds & deployments, enhancing efficiency.
- Led a team of 4 for migration of HCM Consent portal from Visualforce pages to Lightning aura component (JavaScript), increasing the application responsiveness by 30%.
- Integrated Salesforce with **AWS Cloud** to enhance customer service experience, reducing average call handling time by 20%.
- Built Rest APIs using **Java Spring-Boot**, in a Test-Driven Development (TDD) environment to improve the efficiency of the existing app by 20% and integrated message brokers like **ActiveMQ** between them.
- Established **Single Sign-On (SSO)** for authentication of multiple microservices using **JWT**, making the services more secure.
- Enabled the **JUnit** and **Mockito** frameworks for writing test cases, unit testing and achieving 90% of code coverage
- Implement design patterns and dependency injection techniques to improve code quality and maintainability
- Remodeled an application using **Maven** as dependency management tool to import and maintain versions of dependencies thus saving the architecture cost by 30%.
- Proficiency in **SDLC** development using Apex classes and Triggers, Visualforce pages, integrated data into salesforce using REST and SOAP API.

ACADEMIC PROJECTS

Rent A Car Platform:

- Rent-A-Car platform was developed using Lightning Web Components (LWC) in the Salesforce ecosystem.
- The project is a complete car rental management system that aims to improve and streamline the car rental process for both businesses and customers.

Online Shopping System:

- Develop an e-commerce platform using Spring MVC and Hibernate to handle product inventory, shopping cart functionality, and payment processing.
- Design online shopping system in Java using JSP, Servlets, and MySQL.

Railway Reservation System

- Designed a scaled-down version of Indian Reservation System, allows consumers to reserve tickets to Indian metropolises online.
- Pure **JavaEE** architecture is used to implement the website with Oracle database. Front-end designing is performed using Bootstrap, HTML, and CSS.

Sentimental Analysis on Twitter using Multiple Languages

- Developed an effective method for predicting readers' emotions by categorizing tweets as positive, negative, or neutral based on sentiments conveyed.
- Designed using Python libraries such as Text Blob, Twopy, NumPy, and Sckit-learn.

ACHIEVEMENTS

- Certifications
Salesforce Platform Developer1
Advanced Java programming for web development
- Participated in the IEEE conference on Green Computing & Internet of Things.

The interface also shows a sidebar with the following elements:

- Save button
- Analysis Type dropdown menu
- Phone button (562-353-9593)
- Email button (srivastava.prakhar231@gmail.com)
- Last University Attended button (California State University, Long Beach, CA)
- Last Company Worked For button (Cognizant Technology Solutions)
- Certification button (- Salesforce Platform Developer1 - Advanced Java programming for web development)
- Up arrow button



Possible Use Cases for Legal

- Analyze Legal Documents to prepare summary
- Analyze and extract data to push to other database systems like client names, dates, amounts, court names, locations etc.
- Prepare templates and ask typical questions that are part of legal analysis
- Prepare Legal Documents using Generative AI by setting up the Clauses for different types of Legal documents



Example of Real Estate Purchase Agreement Review

2d34ccef-689d-4995-b646-2bbf3... 1 / 5 69%

1

2

3

1

OFFER TO PURCHASE REAL ESTATE: CASH SALE

The undersigned hereby offer and agree to purchase property situated in the City of Detroit, County of Wayne, Michigan, described as follows:

Street Address: **100 Livernois Rd, Detroit, MI 48001**

together with all improvements, appurtenances, including: all lighting fixtures, shades, venetian blinds, curtain rods, drapery hardware, storm windows and storm doors, screens, awnings, antennae, common area furniture, common area artwork, and property management related items, if any now in and on the premises and subject to building and use restrictions, zoning ordinances and easements, if any, under the following terms and conditions:

- TERMS AND CONDITIONS:** Delivery of the usual Warranty Deed conveying a marketable title. Payment of purchase money is to be made in cash, cashier's check, or bank money order in the amount of: One Million Nine Hundred and 00/100 (\$1,900,000.00) Dollars subject to the following conditions precedent to consummation.

Purchaser shall apply to a financial institution of its choice for a first mortgage in the amount satisfactory to it covering the Property. Purchaser shall be solely responsible for all costs and expenses incurred which are associated with its application and/or underwriting of this first mortgage. In no event shall Seller be responsible for the payment of any cost or expenses incurred by Purchaser which are associated with obtaining the mortgage for the purchase of the subject land and building. Purchaser shall have Forty Five (45) days commencing the day following the date of Purchaser's Receipt of Seller's Acceptance of this Offer to obtain a mortgage commitment.

If Purchaser is unable to obtain financing within said prescribed Forty Five (45) days period but in its sole discretion has acted diligently to obtain the same, this Offer will be deemed null and void and Purchaser will receive a full refund of its deposit.

Purchaser, or Purchaser's Broker, shall provide to Seller, or Seller's Broker, written notice of obtaining the mortgage within five (5) business days of Purchaser's receipt of the mortgage commitment.
- POSSESSION:** The Seller shall deliver, and the Purchaser shall accept possession of said property at the time of closing subject to the right of tenants as follows:
- DEPOSIT:** Purchaser shall deposit the sum of (\$25,000.00) with First American Title, as escrow agent, to be applied towards the purchase price if the sale is consummated or returned to the undersigned if the offer is not accepted within seven (7) days after the date hereof.
- CONSUMMATION:** If this Offer is accepted by the Seller, then the sale is to be consummated within fifteen (15) days after the satisfaction of all contingencies contained herein and delivery to the Purchaser a Commitment for Title Insurance without standard exceptions in the amount of the purchase price bearing a date later than the acceptance hereof. All costs associated with obtaining the Commitment and final Title Insurance Policy will be paid exclusively by the Seller.
- TAXES, ASSESSMENTS, PRORATIONS:** All taxes and/or special assessments which have become a lien upon the land, whether recorded or not recorded, and are due and payable at the time of closing shall be paid in full by the Seller. Current taxes shall be prorated at the date of closing as if paid in advance in accordance with the due date basis of the municipality or tax unit in which the property is located.
- DUE DILIGENCE PERIOD:** Purchaser shall have forty five (45) days commencing the day after the date of Purchaser's Receipt of Seller's Acceptance (the "Due Diligence Period") for the physical inspection of all aspects of the facility and its surroundings, which may include, but not be limited to structural integrity, roof, plumbing, electrical, mechanical, sewer and any other building system, as well as environmental condition or any other

1

Save

Interactive AI Analysis

Analysis Type

Can you summarize this purchase Agreement

Certainly, here's a summary of the key points from the purchase agreement: - **Property**: 100 Livernois Rd, Detroit, MI 48001 - **Purchase Price**: \$1,900,000.00 - **Deposit**: \$25,000.00 with First American Title as escrow agent - **Financing**: Purchaser has 45 days to secure a mortgage - **Possession**: Delivered at closing, subject to tenant rights - **Closing**: Within 15 days after all contingencies are met - **Costs**: Seller pays for Title Insurance; taxes/liens due at closing paid by Seller - **Due Diligence**: 45-day period for inspections at Purchaser's expense - **Title**: 30 days for Seller to remedy any defects - **Default**: If Purchaser defaults, Seller may retain deposit; if Seller defaults, Purchaser may receive a refund - **As Is** Condition: Property sold in current state - **Seller's Representations and Warranties**: Various assurances provided by Seller regarding the property and its legal status - **Entire Agreement**: This document is the full agreement between parties - **Legal Advice**: Parties advised to consult their own attorneys - **Binding Authority**: Agreement binds successors and assigns of parties - **Closing Location**: At title company or mutually agreed location - **Signatures**: Requires presence of witnesses and acknowledgment of deposit - **Commission**: 3% (\$25,650.00) payable to BROKERS INTERNATIONAL DETROIT, LLC at closing - **Date**: Agreement signed in June 2024 Please note that this is a general summary and does not capture every detail of the agreement.





Possible Use Cases for Healthcare

- Bulk Process for Patient Forms – extract data from digital or hand written forms and collect in a database or data file or push to other applications via API
- Email Inbox for Patient Forms – dQuest will automatically extract the data from email attachments.
- Healthcare Plan Document Review – Analysts can quickly review the plan documents by asking natural language questions
- Customer Chatbots – Customers can ask questions about their plans and coverage and trained AI models would answer them



Example of Hand-written Patient Intake Form

0540cafa-289a-43c8-9655-d0f7d... 1 / 1 70% +

WF 10345 AUG 11

Blue Cross Blue Shield is a nonprofit corporation and independent licensee of the Blue Cross and Blue Shield Association

FAX COMPLETED FORM TO 877-257-2012

Date and type of next scheduled hearing date	
Insurance adjuster phone number	
Insurance adjuster tax number	
Insurance company street address	3401 Holder Ave
City	KANSAS CITY
State	MO
Zip code	69012
Insurance company name	ALL STATE INC.
Insurance adjuster name	KEVIN BAXTER
Insurance claim number	CLH334

Attorney name	Bruce Almighty
Attorney law firm name	Fenwick, Ir.
Attorney street address	205, Orderly Dr.
City	CHICAGO
State	IL
Zip code	67005
Attorney phone number	647-403-3188
Attorney tax number	

NOTES:

Date of injury: 4/30/2024

Type of injury: Shoulder dislocated

Mechanism of injury: Dislocated

Other:

Motorcycle accident: Was a vehicle involved? Yes No

Motor vehicle accident: In what state did it occur?

(Please fax the application if in Michigan)

Workers' compensation: Medical malpractice: Product liability: Personal injury:

Type of case (select one)

Client's phone number: 248-911-2345

BCBSM policy holder's name (if different from the client's name): JAMES WYATT

Date of Birth: 5/9/1965

Contract # (9 digit number on BCBSM card): XY201334

Spouse (if on BCBSM policy): JAMES WYATT

Date: 6/6/2024

Client's Name: JAMES WYATT

FAX COMPLETED FORM TO 877-257-2012

BCBSM SUBROGATION UNIT QUESTIONNAIRE

Office of the General Counsel
Subrogation Department
232 S. Capitol Ave., L09A
Lansing, Michigan 48933-1504
(517) 325-4658
FAX No. (877) 257-2012
E-mail: SubrogationUnit@bcbsm.com

Interactive AI Analysis

Subrogation

- Date of Birth: 5/9/1965
- Type of Case: Personal Injury
- Type of Injury: Shoulder dislocated
- Attorney: Bruce Almighty
- Attorney Address: 205, Orderly Dr. Chicago, IL 67005
- Insurance Company: ALL State Inc.
- Adjuster: Kevin Baxter
- Adjuster Address: 340, Holder Ave Kansas City, MO 89012
- Next Hearing Date:
- Court:

Enter your question here



Possible Use Cases for Manufacturing Company

- Setup email Inbox for supplier invoices
- dQuest.AI can scan the invoice documents and push data to the Accounting System or ERP system
- Setup email inbox for customer purchase orders
- dQuest.AI can scan the PO documents and push data to the Accounting System or ERP system. Below example shows that a purchase order in Spanish is understood by AI and data can be extracted.
- Manufacturing Manual/Process Review – Train AI model with the manufacturing process, and ask questions about the day-to-day issues on the floor. AI Model can answer the questions and provide quick help.
- Operational Efficiency
 - Use AI-driven tools for back-office operations such as document management, data entry, and compliance checks.



Example of Customer Purchase Order

138a0b14-c621-4614-8bd3-bb2e0... 1 / 8 53%

HONDA

Para: [Redacted]

ORD: 70900
MEXICO
Teléfono :
Fax :
Código : [Redacted]

Enviar a:
HONDA DE MEXICO
HDMG
SELECCION DE MATERIALES
CARRETERA A EL CASTILLO No. 729, CDH. CORRIDOR INDUSTRIAL
EL SALTO, JAL. 45080
MEXICO

Fecha de compra : 2000153322
Fecha de C.V. : 06/11/2024
Fecha de revisión :
Fecha de revisión :
Forma de pago : No 30
Incoterms : DDP (Delivered Duty Paid)

Comprador : HDM Buyer
Contacto :
Fax Comprador :
Mail : HDMC_IP_Purchasing_Operations@honda.com

HONDA DE MEXICO
Atención al Cliente por pagar
HONDA DE MEXICO
729-CARRETERA A EL CASTILLO
PARQUE INDUSTRIAL EL SALTO, JAL. 45080
MEXICO
No. M. cliente :

Linea	ID de Art.:	Fabricante	NPN/PPV	Descripción	Cant.	UM	Moneda	Precio Unitario	Por Unidad	Precio Extendido	Fecha Est.
1				[Redacted]	1,000	EA	USD	11,798.00	1	11,798.00	07/31/2024
Requisición: Info. Cliente, Internal Delivery Location: BECOGER											
2				[Redacted]	1,000	EA	USD	11,798.00	1	11,798.00	07/31/2024
Requisición: Info. Cliente, Internal Delivery Location: BECOGER											

OTC Total : USD 23,476.00

HONDA

Proveedor:
Forma de reconocimiento:

Honda
Firma Autorizada:

If Supplier has a Honda Master Agreement, Honda Pricing Agreement, Honda Order /Statement of Work, the terms and conditions of those agreements will govern the purchases made via this Purchase Order. If Supplier does not have a Honda Master Agreement, Honda Pricing Agreement, Honda Order/Statement of Work, Supplier agrees to be bound by this Purchase Order and our Terms and Conditions, which may be viewed at: [Redacted]

Save Interactive AI Analysis Analysis Type

Customer Name, PO Number, PO Amount, PO Date

- Customer Name: Honda de México S.A. de C.V. - PO Number: 2000153322 - PO Amount: USD 23,478.00 - PO Date: 06/11/2024

↑



dQuest.AI – Save Analysis Templates

- Create Analysis Templates with series of questions or data points that you want to gather from the documents.
- Use these templates during bulk document analysis or interactive analysis

SharpQuest, Inc. Settings / Analysis Types D

Analysis Type

Here you can configure set of questions to perform various types of analysis using AI. Add a new [Analysis Type](#) or [Question Bank](#) using [Configure New Analysis Type Card](#) . Or Select existing analysis to update its questions.

+

Configure New Analysis Type

Add Analysis Types and Questions to query against your data.

Resume
David Downs | May 31, 2024

Review Resumes and fetch data

Expense Receipt
| Dec 31, 1969

Scan receipt images to fetch data

COI
Sounak Mondal | May 21, 2024

Certificate of Insurance review

Contact Info
Sounak Mondal | May 12, 2024

Get Contact Info from website

Legal Doc Analysis
Sounak Mondal | Dec 31, 1969

Analyses legal docs and gives answers related to it.

Style Guide
| May 22, 2024

desc

Subrogation
| Dec 31, 1969

Subrogation

Resume

Questions

- Work Authorization
- Name
- Email
- SecondaryEmail
- ProfileType
- PhoneNumber
- City
- State
- Country
- HighestEducation

Add New Question:

Add Question





















dQuest.AI – Integrate with any Storage

- Your Documents can be anywhere on cloud that can be accessible online
- Ask us to support any specific Storage Types if you are not using below storage types

Storage

We support integration with various different types of storage types. If you do not see an option for your storage type please contact our support@dquest.ai.

<p>+</p> <p>Configure New Storage</p> <p>Your documents need to be available at a secure location on cloud to analyze them using AI.</p>	 <p>Sharepoint Sharepoint</p>  	 <p>Azure Blob Azure Blob Storage</p>  	 <p>Resume Resumes on Azure Blob</p>  
 <p>Dropbox Dropbox</p>  	 <p>Google Drive Google Drive</p>  	 <p>One Drive One Drive</p>  	



dQuest.AI – Integrate with any API

- When AI completes Analysis, the result data can be pushed to any API
- You can configure your own APIs or third party APIs for integration

API Connection
dQuest.ai allows you to invoke your APIs upon analysis success or failure by the AI services. You can configure the API authentication end points here and then use these connections in Analysis process configuration.

[+ Configure New API Connection](#)

Add API Connection ✕

Name *

Name is required

URL *

Authentication End Point * Test

Authentication type *

Save Close



dQuest.AI – Integrate with popular AI Service/LLM

- You can use our system supported AI Services
- OR you can integrate your own AI accounts

SharpQuest, Inc.

Settings / AI Services

D

AI Services

dQuest.ai will use Azure OpenAI by default. You will be charged for using Azure OpenAI through our services. If you want to configure your own AI subscriptions then you can add those AI Service information here. Then you can use these AI Services during analysis process. You will be charged directly through your AI service vendor.



Configure New AI Service



Open AI

Sounak Mondal | Jun 3, 2024



Azure AI

Sounak Mondal | Jun 3, 2024



Google Gemini

Sounak Mondal | May 22, 2024



Claude Anthropic

Sounak Mondal | Jun 2, 2024





Product – dQuest.AI – Features

• Integration

- SSO – Microsoft 365 or Google Workspace
- Document Storage – Cloud or On-Premise – e.g. SharePoint, OneDrive, Dropbox, Azure Blob, AWS S3, Google Drive
- Customer's own Database
- Third Party APIs
- Customer's own AI Service Accounts with Microsoft Azure, Google Gemini, OpenAI ChatGPT
- IMAP Email Integration

• Bulk Document Processing

- PDF, MS Word, Text
- OCR – Image Processing - PNG, JPG, JPEG, TIFF, BMP etc.

• Email Processing

- Setup inboxes for business workflow
- Setup Email BOTs

• Security & Compliance

- On-Premise or Cloud Hosting
- Complete Data Ownership
- Complete Data Privacy with Microsoft Azure
- HIPAA compliant Audit Tracking



dQuest.AI – Current & Future Roadmap

- **Current**

- Ready to Use on Cloud with existing Capabilities
- Needs Configuration for Customer Use Case
- Collaborate with Customer team for Implementation
- Customization for Customer Specific Requirements

- **Chat Agents (In Progress)**

- Customer Support
- Individualized Plan explanations
- Individualized EOB explanations

- **Future**

- Integration with Claude/Anthropic
- Support for large documents
- Support for fine-tuned local (customer specific) LLMs
- Ability for users to browse their own cloud storage
- Multiple Communication Channels for AI-enabled Customer Support – such as TEXT, WHATSAPP, MOBILE APPs
- In-built data analysis for prediction & patterns using AI
- Evaluate multiple LLMs and Speed up the response time



Q & A

Teaser: **bot@dQuest.ai**



SHARPQUEST

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1-248-268-2592



THANK YOU!