

Riverstone InfoTech

An Executive Summary



Agenda

- Overview of Riverstone
- Our customer base
- Areas of expertise
- Development / Testing
- Cloud / IT Infrastructure
- Al / OpenAl / Cognitive Services
- Our team



Who We Are

CMMI Level 3 Company proficient in Development, Technical Support, Design services, and IT solutions since 2001.

What We Do

- Custom software solutions
- Enterprise solutions / ERP
- Testing Services & Test Automation
- Application / IT maintenance & support
- Consulting services

What We Promise

- High responsiveness
- Technical competence
- Mature software development process
- Cost competitiveness
- Long-term partnership



Brief Introduction

2001 Founded Team of 200+

20+ years of Experience

02 Locations









Riverstone was founded in 2001

Riverstone is a company with its culture and focus firmly on its team

Information Technology & Design

Pleasanton, CA & Chennai, India



Our Marquee Customers

































Areas of Expertise

Enterprise Software

- Produce Traceability
- CRM & ERP Platforms
- Manufacturing Quality
- Furniture Design Tools
- Order Management
- Solar Permit Automation
- Lead Generation
- Loan Audit

Information Technology

- Cloud Infrastructure
- Database Administration
- End-user Computing
- Business Intelligence/Data Analytics
- Process Automation
- Security / PKI
- Desktop Support
- Digital Transformation



Software Dev & QA Services

Development

- Full stack development
- Mobile applications
- Microservices development
- Artificial Intelligence / Machine Learning
- E-commerce development
- ERP implementation

Software QA / Automation

- Manual / ad hoc testing
- Test automation
- DevOps
- API testing
- Non-functional testing
- Robotic process automation



Industries / Verticals

- Renewable Energy
- Commercial Furniture
- Manufacturing
- Entertainment

- Financial Services
- Blockchain-based Software
- Food / Produce
- E-Commerce / Retail
- Mortgage & Lending



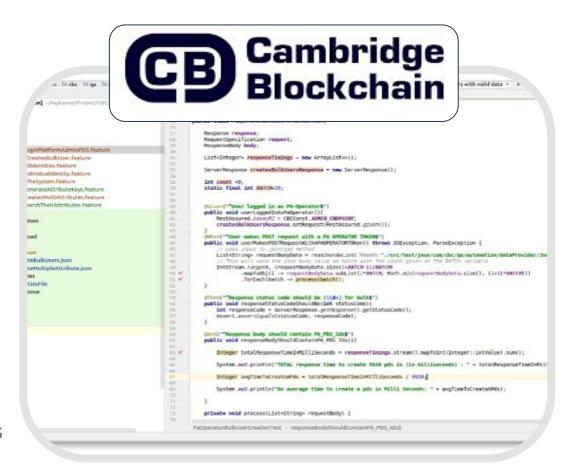
Design, Development & Testing





Test Automation

- Test Automation Framework & fully automated regression in 8 sprints
- 575 tests created in less than 2 sprints
- Weekly 5-6 test runs, Identified 10% failure rate
- Regression testing reduced from 16 hours to under 10 mins
- Approx. 60% reduction in release time (from 5 to 2 weeks)
- 85% automation of testing & deployment efforts
- Deployment time reduced from 90 to 10 mins





Financial Services

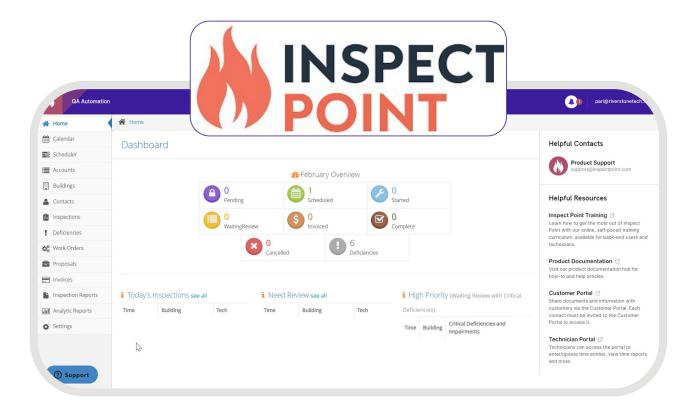
- Fully automated and synchronized regression tests across portals
- Build automation- nightly builds & automated tests
- Created ~600 test cases and scenarios
- Reduced regression testing from 48 hours to under 30 mins





Compliance Software

- Created a compliance engine pipeline that utilizes Robotic Process Automation (RPA).
- Automated 275 scenarios across app layers, enabling CI/CD
- Enabled Quickbooks integration for importing customer, account, and contact data
- Provided support for compliance engine RPA operations

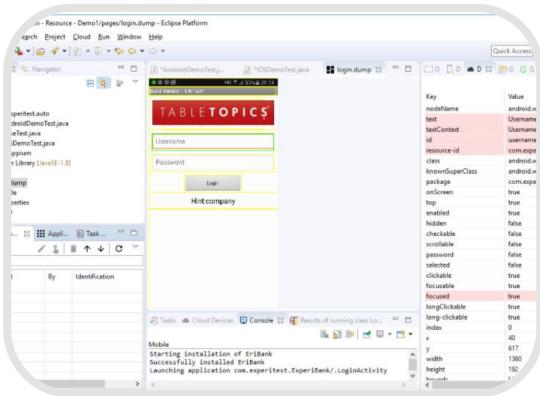




Test Automation

- Improved test execution & maintenance using Appium
- Automated test cases for content verification
- Automation regression for periodic builds
- Cross platform testing: Web+iOS+Android







Robotic Process Automation

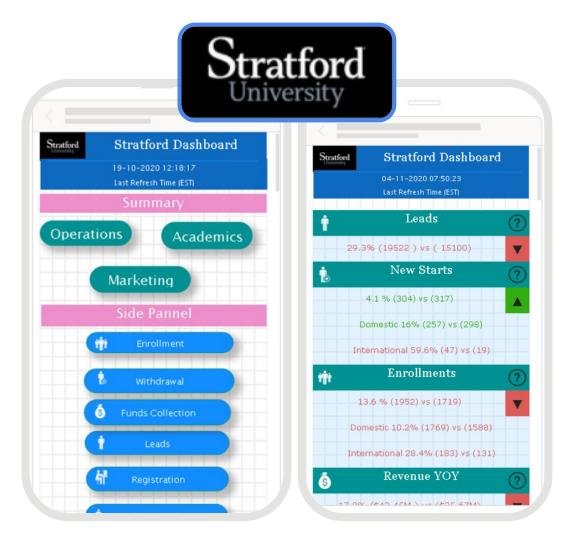
- Automated data transfer between various applications.
- Updated fields with relevant data at a scheduled time
- Utilize APIs and Webhooks to automate routine tasks





Stratford U. BI (Mobile)

- Customized reports on industry-specific KPIs
- Interactive data visualizations
- Compatible with Windows, iOS, and Android
- Reports with touch-enabled screen
- Resizing feature for better view ability
- Monitor data KPIs on mobile



DB Management & Data Analytics Technology Unlimited Technology Unlimited

Enphase Project - Data Analytics

- Automated data-driven processes and reporting
- Importing and exporting data from a variety of formats
- Performed grouping, aggregating and summarizing large datasets
- Enabled visual exploration of data



Riverstone



Stratford University-Business Intelligence

- Data migration into Power BI
- Maintained data accuracy across panels
- Created slicers to get the accurate data values
- Frequent scheduling via data gateway
- Infrastructure integration, including 3rd-party data warehouse
- SQL server and other data sources





Data & Log Analytics

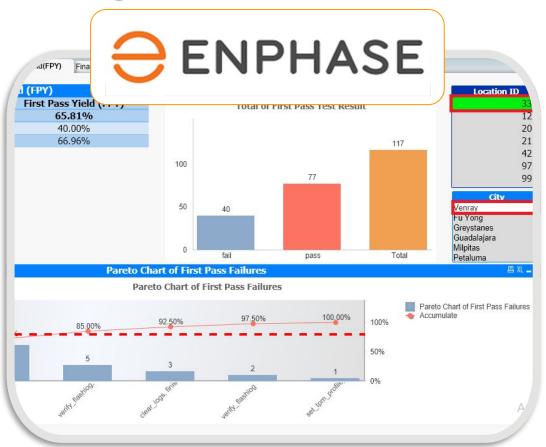
- Developed a log analytics application
- Data ingestion of large datasets & dashboards
- Created dashboards for performance analysis
- Introduced Auto-analysis for indexed logs
- Reduced trouble shooting time & effort significantly





QlikView Reports & Insights

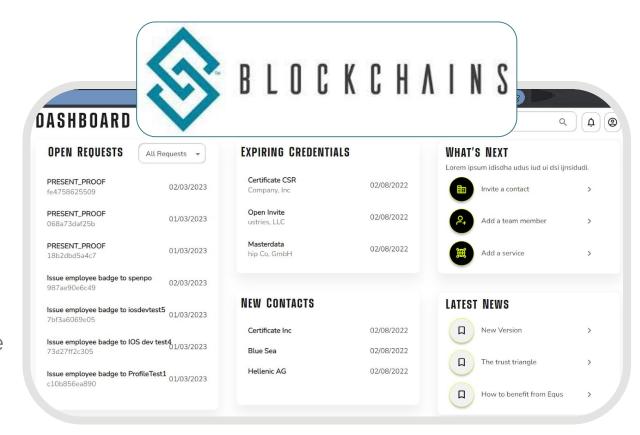
- Enabled customer to consolidate data from Oracle, MySQL, MongoDB & HubSpot
- Performed transformative and analytical operations
- Fetched data via backend APIs
- Created in-depth reports and handled multi-dimensional data
- Improved reporting by a centralized dashboard





Equs Business Portal

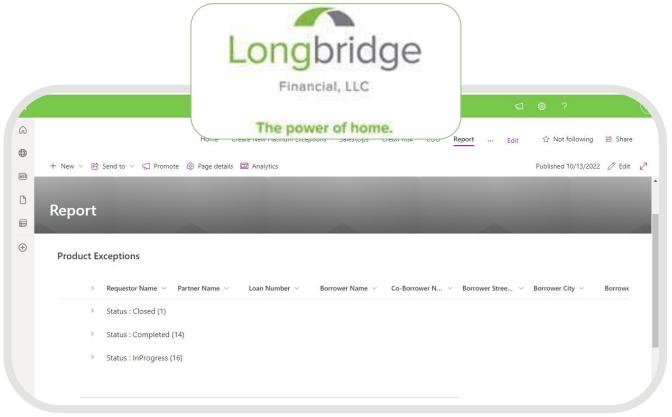
- Enabled employee onboarding process
- Added asset-to-NFT functionality.
- Developed Contacts, Teams, and Credentials features.
- Established secure identity sharing.
- Enhanced user interface for better experience





Reverse Mortgage

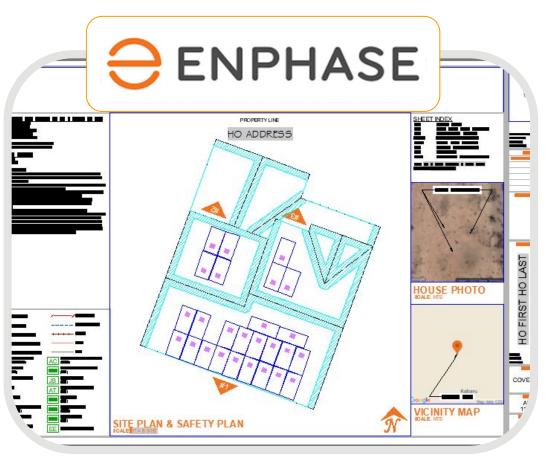
- Developed Product Exceptions application in six weeks for Sales/Ops individuals to submit Exceptions for approval.
- Built SharePoint forms to manage different levels of approval.
- Created workflows to trigger email notifications for various approval statuses.
- Designed Dashboard for role based access to handle the exception requests.
- Enabled the application to export exceptions to Excel.





CAD Design Automation

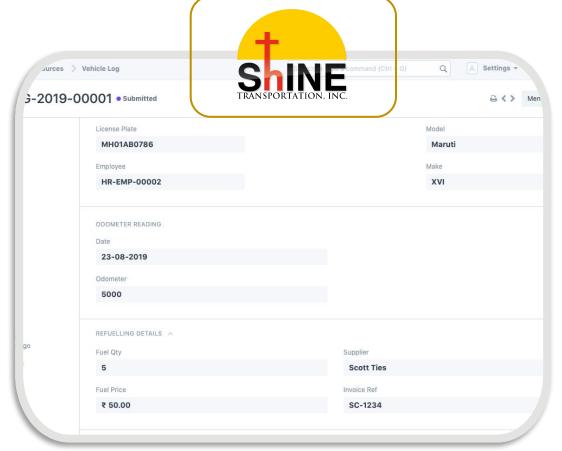
- Designed site plan & rafters
- Embedded satellite and vicinity images
- Created layouts & viewports
- Automated multiple layouts
- Added roof indicators
- Created placards





ERP for Fleet Management

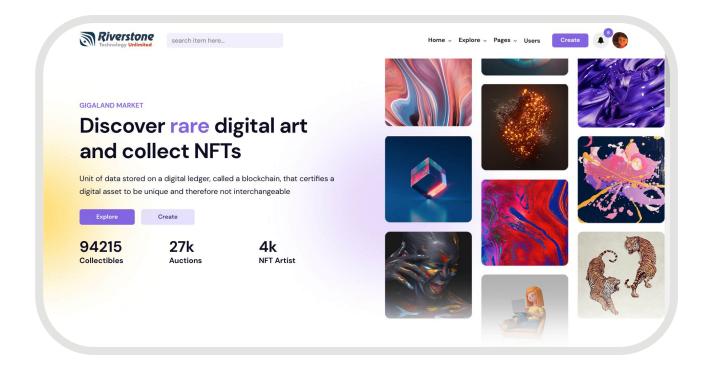
- Fuel management
- Dispatch & routing
- Vehicle tracking
- Maintenance management
- Reporting & analysis





Token (NFT) store

- NFT minting and trading
- User-friendly designs with easy navigation
- Sales and Auction
- Royalty Feature
- Support for Primary and Secondary networks
- Integration with OpenSea





Commercial Furniture Specification

- Product specification tool for Commercial Furniture industry
- Software Development & Support for enterprise application
- Implementation of complex features in the tool
- Reducing the number of bugs reported by 35%
- Increased application performance by 50%





Software Tools Development

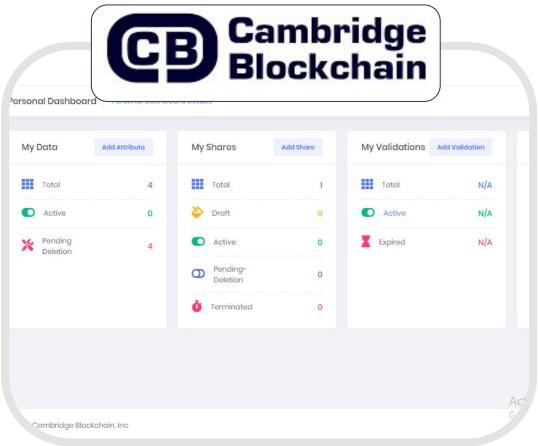
- Successfully designed and built an Identity Management Customer Interface application
- PDS Users and Service Provider functionality
- Designed & Developed customer proof verification
- Support for Trusted Party functionality
- UI/UX implementation for 16 Modules
- ~12 sprints to complete all the functionalities





KYC / ID Management

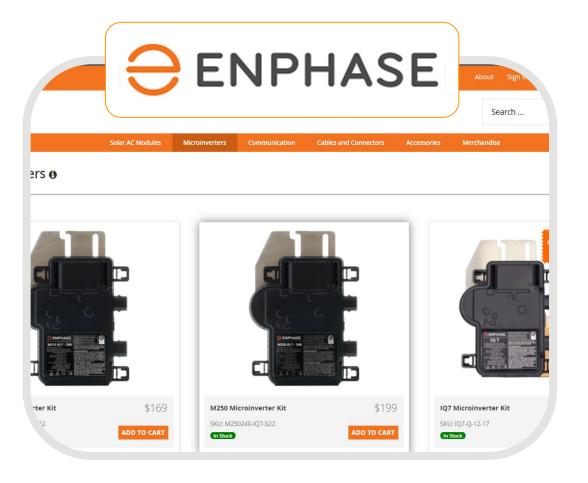
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Renewable Energy

- Developed and continue to maintain a portfolio of applications for Enphase Energy
- Enterprise application for manufacturing quality and reliability management
- eCommerce portals for customer sales & upgrades
- Data analytics application for market research
- Overall ~25 person years effort





- Content management
- Customized webpage
- Website traffic management
- Data analytics
- Theme management
- Custom product page design







- Enabled direct selling of products
- Affiliate marketing
- Dealership module
- Payment integration
- Tax calculation
- Custom product page design







Application Redesigning Services

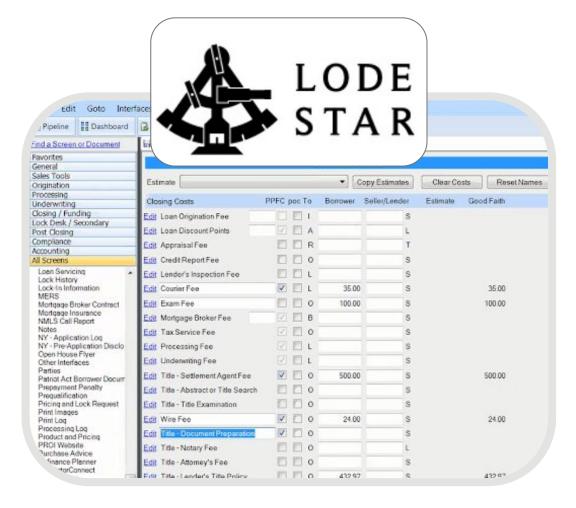
- Catalog of thousands of contract manufacturers' products
- Software Development & Support of Catalog Software
- Key functionality support such as Ad management
- Technical Support for Catalog data creation & updates
- Overall performance enhancement by 35%





- UI/UX implementation
- Developed plugins for LOS integration
- User-configurable data mapping
- Handled complex data formats from diverse sources
- Automated data mapping solution to support compliance efforts
- Delivered complete application in ~3 sprints







Mortgage Services

Key Achievements

- Rate Calculator tool for mortgage loan product consolidation
- Delivered a mortgage application from scratch in ~7 sprints
- Lender management & site integration
- Mortgage loan product provider API integration
- Highly responsive application (with page load time ~2 seconds)

Facilitated achieving SOC 2 compliance





Family Entertainment

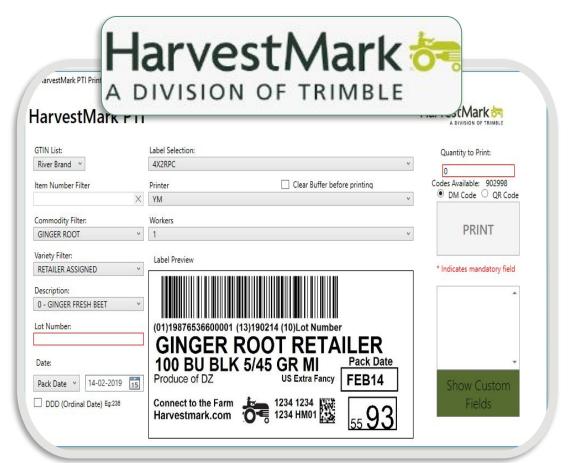
- Content management capabilities
- Promo code-based pricing
- Product positioning
- Push notifications
- Native Android & iOS





Supply Chain Traceability

- ETL solution for PTI
- GTIN Manager solution
- Trace page management
- Case labeling, traceability solution
- Subscription module for PTI users
- Integrated EDI 856 for Advance Shipment Notification(ASN)
- Developed Mobile Optimized Response Page (MORP)





Application Support Services

- Manage application setup & configuration for 450 customers
- 400 Support tickets per month- 98% resolution within SLA
- Supported major customers like Driscoll's & Sun Pacific
- 24/7 Remote Support via Salesforce, LogMeIn & TeamViewer
- Average turnaround time reduced from 90 to 15 mins





Cloud Infrastructure / IT Projects





Cloud ERP Solution

Key Benefits

- Single and Integrated system from Production Plan to Work Order to Purchase Order to Sales Order to Finance and many more
- Multilingual Tool with Multi Currency capability
- Role Based User Access across units in an organization
- Automation of end to end business processes





IT Ops & Cloud Infrastructure

Key Achievements

- Migrate on-prem infrastructure to hybrid cloud
- Implement multi-master database replication architecture
- Scale the infrastructure to support world-wide manufacturing footprint
- High availability with 99.99% SLA
- Capacity planning, availability & performance monitoring and reporting
- 24x7 support

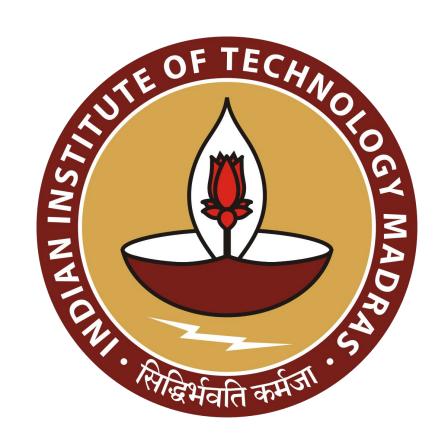




Openstack Implementation

Key Achievements

- Openstack-based private cloud for Donlab, Dept. of CSE, IIT-Madras
- Implementation & support of research lab
- Identity (Keystone), Image (Glance) & Dashboard (Horizon), Compute services (Nova) & Block storage services (Cinder)
- Linux KVM hypervisor
- Web portal / Dashboard for researchers
- Self-service architecture





Cloud ERP Solution

Key Achievements

- Migration from aging legacy system
- Optimised Forecasting, MRP, MPS
- End-to-end business process for Order Management
- Sales commission / Royalty modules
- RARB warehouse design
- Inventory reconciliation
- Shopify, Amazon Seller/Vendor Central, EDI
- Customised reports and dashboards





Riverstone Al

documents+images+chat (azure OCR+Cognition+LLM)



Document Intelligence

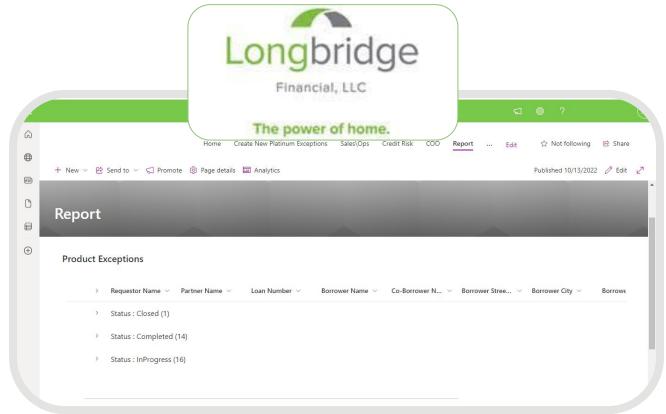
- Mortgage Audit Flow with Azure Document Intelligence
 - Reduced from weeks to hours
 - Student Loan Audit Flow
 - Office Design/Vendor reconciliation



Document Intelligence

Automated Audits

- Al-driven AuditBuddy
- Automate loan audit
- Ensure compliance with guidelines.
- Audit velocity Weeks to hours





Document Intelligence

Design Package Validation

- OrderBuddy to automate double check process.
- Compare furniture design with manufacturer quotes.
- Report on discrepancies...

Order Processing Automation

- Track status of vendor orders.
- Update the order tracking system.

	Disneyland INS Building			
Report Date	2023-08-11		•••	1/ 11
Vendor	Item Name			4/40
ERG	Harmony Table			
ERG	Harmony Table			
ERG	Harmony Table			
ERG	Harmony Table		\cdots	
ERG	Harmony Table	FAIL	Unspecified	STAIN:STANDARD TBD BASE
ERG	Harmony Table	FAIL	Unspecified	STH:SPECIAL TABLE HEIGHT
ERG	Harmony Table	PASS	Base Frame: Black Matte	Base Frame: black matte
ERG	Harmony Table	PASS	Top Finish:White	Top Finish:wilsonart designer white d354
ERG	Harmony Table	PASS		qty:9
		PASS		qty:2
Boss	Entente Booth - ENT2	PASS	Table Top: Oak	Table Top: Oak Laminate
Boss	Entente Booth - ENT2	PASS	Table leg Finish: Oak	Table Base: Oak
Boss	Entente Booth - ENT2	Fail	Unspecified	Fabric Finish:Manner, Parakeet
Boss	Entente Booth - ENT2	Fail	Unspecified	Back Finish:Lithe, River
Boss	Entente Booth - ENT2	Fail	Unspecified	Seat Finish: Metaphor,
Deskmaker	Deskmaker Reception L-Shaped	PASS	Reception glass Transaction: Clear	Reception glass transaction counter, 3/8" thick clear glass, 4 metal stand-offs, 12D x 30W.
Deskmaker	24 X 82 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	CN-GR2S-SPCL-H Confluence Grade 2 Standing height parsons table with 1-7/8" thick panels, top over end panel construction and 1
Deskmaker	24 X 82 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	Additional *one-time* engineering and/or programming fee for the above Custom item.
Deskmaker	24 X 82 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	U-shaped wire management channel, vertical, for standing height tables, 3" x 8" x 27-5/8"
Deskmaker	24 X 82 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	Grommet - Round 2.5" White Grommet Installed ** SEE DRWS **
Deskmaker	24 X 82 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	Recessed-Power/USB;2-Outlets above/2-USB; Cut-Out/s for: N/A; Add-On/s: None; Cord: 108"L/15A; MPN: COV-2U-S-108; Finish: Silve
Deskmaker	24 X 82 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	G-Shaped Wire Management Channel ** 2 1/8" square ** Price per 8-foot length.
Deskmaker	24 X 48 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	CN-GR2D-SPCL-H Confluence Grade 2 Desk height parsons table with 1-7/8" thick panels, top over end panel construction and 12" I
Deskmaker	24 X 48 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	Additional *one-time* engineering and/or programming fee for the above Custom item.
Deskmaker	24 X 48 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	U-shaped wire management channel, vertical, for desk height tables, 3" x 8" x 15.25"
Deskmaker	24 X 48 ALBRIGHT PRASONS TABLE	FAIL	Unspecified	Grommet - Round 2.5" White Grommet Installed ** SEE DRWS **
	24 X 48 ALBRIGHT PRASONS TABLE		Unspecified	Recessed-Power/USB;2-Outlets above/2-USB; Cut-Out/s for: N/A; Add-On/s: None; Cord: 108"L/15A; MPN: COV-2U-S-108; Finish: Silve
	24 X 48 ALBRIGHT PRASONS TABLE	CAIL	Unspecified	G-Shaped Wire Management Channel ** 2 1/8" square ** Price per 8-foot length.



Image Cognition

- Tattoo design with Scikit Learn & TensorFlow
 - hours to minutes over handmade design
- Structural Testing with Azure Cognitive Services





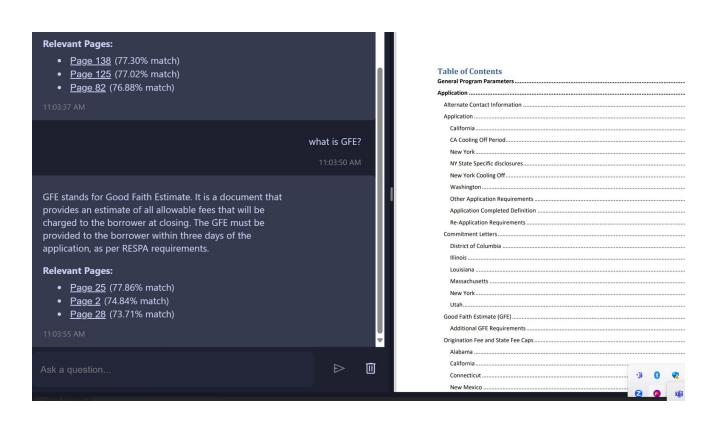


ChatGPT style Q&A?

- Underwriting Guide Q&A
- Website Content Q&A
- Furniture Catalog Q&A?

Companion Chatbot

- Al-driven chatbot companion for loan processors and underwriters.
- Chatbot Interactive and contextual assistance on 300+ page underwriting guide.
- 10x loan/underwriting processing efficiency







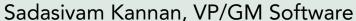
Prakash Narasimhalu, Co-founder & CEO

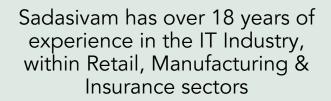
Prakash has over 25 years of management experience in the technology services industry in areas such as Banking and Manufacturing



Anix Anbiah, Co-founder & Managing Director

Anix has over 25 years of engineering and management experience in various areas such as Networking, Software Engineering and Design











Ez Narasimhan, Al Architect

Ez has over 30 years of industry experience in Technology leadership and Software Engineering, eCommerce, Finance, Healthcare and Insurance



Rich Verjinski, Director, Digital Transformation Services

Rich has over 25 years of industry experience in Software Engineering, Operations, Supply Chain & Business Transformation



Get In Touch:

Prakash Narasimhalu, CEO



Prakash@riverstonetech.com



http://www.riverstonetech.com/



+1 (925) 360 5381



5890 Stoneridge Dr. Ste. 209 Pleasanton, CA 94588





Thank you!