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Technology Architect

Over 25 years of experience ♦ I modernized a key business capability in a \$20 million project at Canada Life ♦ In just two years, I delivered 10 projects budgeted at over \$20 million at CIBC ♦ Migrated a complex monolith to microservices architecture at Citibank in three iterations ♦ Developed an EMR at Sunnybrook Hospital while managing Oscar EMR for family physicians across Ontario.

Top 3 Tactical (hands-on) Solutions

Morgan Stanley – Corrected 10 million historical equity master records in production database during regular business hours with no operational impact to rectify major SEC regulatory issue.

Citi – Discovered 80K documents missing in production, a major regulatory failing; proceeded to create them to satisfy SEC regulatory compliance.

RBC – Improved ETL system throughput by 100% and was on target to improve it 10x.

Top 3 Strategic Achievements

Canada Life – As an enterprise architect led the most difficult, complex and expensive modernization project for the firm’s key business capability (segregated mutual funds)

CIBC – Created baseline architecture assessment pointing out the flaws in the design for the client acquisition flow and suggested a new target architecture.

Citi – Migrated a large monolithic application to microservices architecture in 2 stages and then worked on a POC to migrate the whole thing to the Cloud.

Professional Certifications & Examples of Work

https://www.youracclaim.com/users/rastislav-profant	<i>TOGAF 9.2 Certified Enterprise Architect (2021)</i> <i>Databricks Certified Data Engineer Pro (2025)</i> <i>AWS Certified Architect Professional (2024)</i> <i>IBM Certified Microservices Developer (2019)</i>
Client Architecture Assessment Document	Architectural Analysis of Acquisition Flow
Client Solution Architecture Document	Project HLD
Client Enterprise Architecture Document	Target Architecture & E2E Sketch
Monolith Migration Example Document	Microservices Journey

PROFESSIONAL EXPERIENCE

PC4IT.com • Mississauga, Ontario, Canada • 05/2024 – current • IT Consultant

- Created a reference-style AWS REST API-based architecture for a client’s enterprise-wide [product repository](#) using core AWS services (API Gateway, Lambda, IAM, RDS). The repository serves as the reference data for the segregated fund e2e business needs and all 20+ dependent internal and external systems
- Created a CloudFormation script to install the full stack in the client’s AWS account together with all the tools and configurations to manage the system in a low-cost and efficient way

Canada Life • TORONTO, Ontario, Canada • 06/2023 - 03/2024 • Enterprise Architect

- Primary achievement - Was the first enterprise architect to use the new enterprise 'Target Architecture and E2E design' template within a new SDLC flow. [The document became "the gold standard"](#) (according to others) to follow across the firm.
- Hired to oversee a modernization of the segregated fund management business segment to increase client retention by 50% and increase client acquisition by 25-30% over the next 3 years.
- Became the business SME within 4 months and created 'Target architecture and End-to-end sketch' as the main deliverable and the key milestone in the project design phase, presented it to the Architecture Council, and communicated previously unknown risks to the senior leadership. See 'Projects' below.
- Architect for the key data management portion of the project, i.e., redefining the processing of the transactional universe of the segregated fund business within the enterprise. Used Databricks to define the Lakehouse architecture for incoming data streams: client transactions, asset transactions accrued in fund asset trades, fund price calculations, fund cash movement within participating stakeholders. This was a novel use of Databricks not simply as a data collection and aggregation sink but transactional data aggregation and transformation set for further downstream processing.

IBM/CIBC • TORONTO, Ontario, Canada • 03/2021 - 03/2023 • Senior Solution & Enterprise Architect

- Primary achievement - No production/failure/outage/bug on any of my projects
- Worked as an expert consultant for IBM on a contract with CIBC Personal Banking group in improving and re-architecting their EBanking acquisition (Cart) and OnLineBanking application (OLB) channels. This included online identity verification using SecureKey services to allow full remote banking for clients. This increased client acquisition by 30%.
- Worked on 10 projects in 2 years; most were classified as large with budgets over \$1 million with enterprise scope and 10-50 stakeholders, individual and group. All were either new applications or extensions to existing apps for banking product acquisition with integrations with external vendors such as SecureKey/Interac, Visa, Mastercard, and Canada Post; some were regulatory initiatives like CAMLR and QB Bill 53.
- Used the HLD (High-Level Design) as the main artifact to provide walk-throughs and guidance to other teams involved such as development, testing (functional, API, performance), UX design, and content, in providing their high-level estimates as well as planning and designing their artifacts. The key patterns used were REST API and microservices. See 'Projects' below for an example.

CitiBank • MISSISSAUGA, Ontario, Canada • 05/2017 - 06/2020 • Senior Solution Architect

- Primary Achievement - Migration of a complex enterprise monolith to a microservices architecture in 3 years
- Full ownership of the complete presence of the Capital Markets Research group on the Internet, focusing on the key business system, a document processing monolith called Rendition.
- Full decomposition of the monolith Rendition into UI application and about 15 microservices in 3 phases over 3 years which increased the document processing rate to 99.9% from 92% and stability to 99.999% from 98%. See 'Projects' below for a description.
- Worked on a migration POC (to AWS) re-architecting the system to make use of AWS native services including VPC, ALB, Fargate, S3, CloudFormation, SNS, SQS, RDS, Lambda, API Gateway, Step function, KMS to achieve performance improvements, improved stability, and maintainability as well as cost savings of up to 50%
- Uncovered and recreated 80K missing regulatory documents which would have cost the firm millions of dollars in penalties in a failed regulatory audit.
- Led a major new project to set up BI data for analyzing the users' habits and website use in a new data lake. Initially used Spark, later transitioned to Databricks to set up data pipelines with bronze, silver and gold tables, as well as set reports and dashboards to process logs and user clicks to understand how the published research was being used by the user base so that the reach could be more targeted and attuned to what the global clients were interested in.

Royal Bank of Canada / RBC • Toronto • 09/2016 - 02/2017 • Application Architect

- Re-architected an ETL-type system called EBR at RBC. EBR was a master data reference source for the firm for business entities, their hierarchical ownership relationships, and the rolled-up loan exposure by the firm to these entities at various hierarchy levels.
- Achieved 100% throughput improvement by using multithreading in the Java engine, fine-tuning SQL statements in the database, and restructuring shell data loading scripts.

VisionMax • MISSISSAUGA, ON, Canada • 03/2016 - 07/2016 • Application Architect

- Developed a repeatable process for migrating 200M records from MSSQL to an AWS MySQL db in three weeks which consisted of 4-to 5 steps to achieve full client onboarding with all the client's historical data in about 3 days as opposed to using the company's previous developed transfer engine based on Java.
- The process was fully stateless (repeatable) and consisted of 4-5 steps to achieve full client onboarding with all the client's historical data in about 3 days as opposed to using the company's previously developed transfer engine based on Java.
- Re-architected the system to provide near-real-time data synchronization between the new application and the legacy system to be able to run the new and legacy systems in parallel while the new system was being rolled out across the country using Java concurrency framework.

Sunnybrook Health Sciences Center / MyDocSchedule.com • 03/2014 - 01/2016 • It Consultant, Senior Developer

- In consecutive roles, customized an open-source EMR (Electronic Medical Record) called Oscar for local family physicians, developed a SaaS scheduling system, and worked on the development of a large web-based hospital application called EPR in an agile environment for a top hospital in Toronto
- Worked as an API designer and developer on migrating the back-end data services of Sunnybrook custom EMR application from ColdFusion to NodeJS as well as a developer on a comprehensive patient medical lab test ordering system funded by the Ministry of Health planned to be implemented across Ontario hospitals.
- Achieved 30%-70% of the performance improvement of the EMR application by performing SQL query optimizations across the system front and back.
- Developed MyDocSchedule.com SaaS hosted on AWS to allow patients to schedule appointments online with office-based Oscar EMR used by most family physicians in Ontario in real-time.
- Supported Oscar EMR for a few family physicians in Ontario as part of the provincial eHealth transformation strategy.

FundSERV • Toronto, ON, Canada • 01/2013 - 12/2014 • Solution Architect

- Hired by the organization to design, develop, and implement an enterprise automated testing system in an agile development environment to help the firm migrate its customer data platform from text-based (csv) to XML-based.
- Performed a full SDLC for the automated testing system called FATT (FundservAutomatedTestingTool) covering the roles of project manager, system designer, system developer, and system tester and wrote the full documentation.
- The tool slashed the maximum manual testing time from three days to five minutes. The tool allowed the testers to design and run tens of thousands of tests in minutes or tens of minutes.

Morgan Stanley • Mississauga, ON, Canada • 01/2004 - 12/2009 • It Consultant/Team Lead

- Development, support leader and mentor to the team of 8 in the enterprise data group managing the full life cycle of the firm's reference data repositories for equity, fixed income, and corporate actions.
- Our team acted as a data steward and trustee for the global end-of-day reference market data.

- Developed and supported hundreds of data feeds from global vendors like Bloomberg, Reuters, Moody's, Fitch etc.
- On a 24x7 and 365 days a year basis with a 100% success rate daily
- Acquired deep technical and business expertise in the Bloomberg data universe, index data sources including MSCI indices and many others.

Canada Post • Mississauga, ON, Canada • 01/2009 - 10/2009 • Senior Developer/Team Lead

- The development lead for the enterprise data renovation project called Data Broker was to process 1 billion messages and route them to 24 destinations.
- This was an ETL data routing and transformation system processing data feeds between the regional centers and the central data hub in Ottawa that was to transform CP data management.
- Led and mentored a team of 6-8 developers.

Hewlett Packard Canada • Mississauga, ON, Canada • 01/1998 - 12/2002 Senior Developer/Jr. Project Manager

- Implemented a COTS document imaging solution called FileNet (now owned by IBM) shared by HP Credit and HP Finance Latin America in my spare time saving the clients \$150K in costs.
- Performed the functions of a project manager, technical resource, business analyst, support analyst and all-around nanny to all stakeholders, set up scanning stations in Atlanta, Dublin, Miami, and Mexico City.

EDUCATION

Bachelor of Arts | UNIVERSITY OF TORONTO, Toronto, Ontario

Computer Analysis Design and Programming | CDI COLLEGE, Mississauga, CA