

# Ramesh P. Kalbi

Hamilton, ON · 437-228-0911  
rkalbi@hawk.iit.edu · [LinkedIn](#)

## SUMMARY

Software Professional with 8 years' experience in **Software Development** and **Team Management** along with **client interaction** with the domain knowledge of **Banking, Payments, eLearning Web applications, Pivotal Cloud Foundry, Finacle implementation, CI/CD**, Production Support, and Change Management Tasks. Possess in-depth understanding of **Core Banking, Bank and Cards Payments, Finacle™ UBS** (Universal Banking Solution) Implementation and Administration. Worked on different technologies like **Java, Struts, Spring, Hibernate, Rest services, and Database Concepts**. Extensive experience **Designing, Developing, and Debugging** applications. Adept in the development of software products in all phases of the SDLC process which includes Analysis, Requirements gathering, Documentation, Implementation, and Support. Strong **analytical** skills coupled with excellent **problem-solving** abilities combined with zeal to drive a project towards successful completion utilizing my **leadership** qualities. Proven track record in handling team. An effective communicator with excellent relationship building & **interpersonal** skills. Possess a **flexible & detail-oriented** attitude.

- Worked on modernizing application by migrating legacy SOAP calls to REST and JDBC/DAP services to PCF.
- **GIT** branching for applications by creating Release branches, development branches thus ensuring the integrity of applications.
- Developed **Jenkins** CI/CD pipelines to automate daily BAU activities thus saving time and cost.
- Modernized application using **MVC** and **MVP** frameworks to align with the **micro-services** approach at the enterprise level.
- Monitor, manage and customize entire application-delivery ecosystem through **AppDynamics** and building health rules, dashboards in AppDynamics for monitoring the entire application using utilities present in AppDynamics.
- Expert in using different IDEs and tools like **STS, RAD, IntelliJ, Eclipse**, etc.
- Developed a one-click solution using **CDCl Jenkins** pipeline to implement monthly release changes across all UAT/DEV regions or to build new environments from scratch.
- Automated manual blog to be generated via **Elasticsearch ELK stack** and **Kibana** dashboard utility to publish stats for core batch modules like EOD/BOD process and processing volume for major ACH clearing/payment files.

## TECHNICAL AND FUNCTIONAL TOOLS

Technical and Functional Tools	
Operating System	RHEL, Unix, Windows, IBM AIX, CentOS
Databases	Oracle 11g/12g, SQL Server, Sybase ASE
Programming Languages	Core Java, J2EE, Java Swing, Spring MVC 4, Apache camel, SQL, Shell Scripting, Finacle scripting, Groovy, Gherkin, JavaScript, HTML, CSS, Jersey Framework, JUnit
Technical Tools	RAD, Eclipse, WAS8, WAS9, Postman, AppDynamics, Fiddler, Kibana, Logstash, Elasticsearch, Autosys, Moogsoft, Jenkins, Jira, Gradle, Cucumber, GitHub, Service-Now, HP-ALM, Rally, UIM, STS, SQL Developer, and HP LoadRunner
Methodologies	Waterfall, Agile, and Kanban

## WORK EXPERIENCE

### Health Ontario

May 2023 – Present

#### Lead Data Engineer

- Lead responsible for design, development, and support of health care products from end to end.
- Collaborated with cross-functional teams to develop and refine the logical architecture for a **FHIR R4**-compliant data platform, ensuring data security, interoperability, and compliance with healthcare regulations.
- Implemented microservices architecture for a healthcare application, resulting in improved scalability, maintainability, and agility, while ensuring high availability and fault tolerance.
- Coordinated with security experts to enforce robust access control, encryption, and audit trails within healthcare systems, safeguarding sensitive patient information and achieving compliance with healthcare privacy regulations.
- Worked closely with software developers to oversee the deployment of healthcare applications and services in cloud-based environments, leveraging **AWS** and **OpenShift** for flexibility and scalability.
- Evaluated emerging healthcare standards, protocols, and trends to stay ahead of industry advancements and ensure that healthcare products remain competitive and innovative.
- Demonstrated a deep understanding of healthcare domain knowledge, healthcare interoperability, and data exchange standards while serving as a bridge between technical teams and healthcare stakeholders.
- Spearheaded the selection and integration of cutting-edge healthcare technologies, including **FHIR** (Fast Healthcare Interoperability Resources), **HL7** standards, **HAPI**, and secure authentication mechanisms, to facilitate seamless data exchange among healthcare providers.
- Developing and maintaining healthcare solutions using open source **HAPI**, **Java** and **IBM MDM**.
- Leading multiple projects using **Java**, Unix **shell** scripting, **Oracle**, **MSSQL**, **PostgreSQL** and **AWS** and multiple APIs to extract, transform and load data.
- Part of CoE Architecture group which focuses on organization wide IT architecture.

### Innovapost

May 2022 – May 2023

#### Middleware Developer

- Middleware developer focused on implementing complex logic related to online **payments** on the Apache camel springboot backend applications.
- **IBM MQ** to feed data to application, where it is processed, and external API is called to complete the required functionality.
- **IDM DataPower** is used as gateway for all PCI compliant payment applications.
- **Apache camel** with **springboot** and **maven** used to develop app decide routing of data, **MSSQL** as database to cache the results, **Jira** used to track progress.
- **Bitbucket** used as version control to check-in new code and code reviews.
- Application deployed on **OpenShift** container using Jenkins's pipeline, feeding logs to **Kibana**.
- Groomed and **trained** junior developers and peers to apply **clean** and **safe coding** practices.
- Also involved in bug-fixes and end-to-end testing support.

### Capgemini

August 2015 – May 2022

#### Lead Application Consultant (September 2019 – May 2022)

##### Capgemini Solutions Canada Inc.

- **Backend** developer for the robust **web** and **mobile application** used by Investment Bankers.
- Application built with **spring** framework and in-house developed framework for an extra layer of **security** and **Sybase ASE 16** as database.

- Extensive use of **Java 8** features and **functional** programming.
- Wrote **Junit** to cover 99% of code and used **cucumber** to automate integration testing.
- Working with business to add/update features and fix any issues reported.
- Spearheaded migration of **Xpress** (Payments Network Switch) to **Hydra** (Payments Network Switch) using **Java**, **UNIX scripting**, **Cucumber**, **Pair programming**.
- Modernizing collection application by migrating service calls from **SOAP** to **REST** and **JDBC/DAP** to **PCF** using providers API specifications and moving towards a **microservices** architecture.
- Using **BDD** and **TDD**, designed, developed, and architected banking customization requirements for several business streams like Finance, Marketing, and Compliance concerning US Core Banking regulations.
- Developed features as per business requirements using **Java**, **beans**, **MVP** framework, **HTML**, **CSS**, and **JavaScript**.
- Data modeling and visualizations in **Kibana** to show SLA, Execution times, trends, spikes, and dips by using a series of **Elasticsearch** aggregations available in Logstash.
- Co-ordinated and maintained **GIT** repositories for code automation and configuration in **CI/CD** Process to build and deploy applications by utilizing tools such as **Gradle** with plugins in Jenkins.
- Created **Jenkins pipeline** for different day-to-day activities like enable/disable Finacle debug logs, core dump analysis, taking logs backup for a faster and quicker way to troubleshoot and debug any issues related to Finacle batch jobs.
- Documenting all the findings in ticket tracking tool **Service now** to prevent future issues.

#### Application Consultant (February 2019 – September 2019)

##### Capgemini Technology Services India Ltd.

- Responsible for migrating Core-Banking Application from Fiserv to Finacle as hassle-free as possible by assisting in implementing interfaces for various channels and user acquaintance.
- Working on development and enhancement for Discover Deposits, Lending & Line of Credit, and its specific processes such as investments, payments, letters, and service by collaborating with Business and other teams.
- Design, Develop, Implement & Maintain the entire Banking batch schedule in External Scheduler (**AutoSys**) and integration with **Finacle** application.
- Implemented & maintained the branching and build/release strategies utilizing **GIT**.
- Enhanced existing **shell scripts** which include build path, build directories, the process to stage deployment packages and run them in deployment directories.
- Performance testing of all the core banking **batch jobs** using in-depth knowledge of **AWR** analysis. Found and tuned different processes/SQLs to boost performance.
- Responsible for defect **analysis**, defect fix process from development, Test region, and production regions and preparing review logs, defect logs, **coordination** with other teams during monthly releases.
- Identifies insights to inform the product configuration **strategy**, collects technical requirements for team members, and carries out routine tasks to support the **implementation and integration** activities.
- Prepares product **configuration strategy**, gathers, and manages technical requirements, and facilitates products implementation and integration activities.
- Involved in writing **complex SQL queries** and developing **Stored Procedures** and Functions in **SQL server** environment.
- Well versed with Finacle customizations on AIX, RHEL platforms in single and multi-node scenarios.

#### Associate Consultant (August 2015 – February 2019)

##### Capgemini America Inc.

- **Business System Design:**
  - Provide design for **Finacle** automation framework involving maintenance and support activities related to the Core **Banking** processes at Discover, which includes several functionalities like

**Originations, Payments clearing, Correspondence, Servicing, payments, statements, and Reports.**

- Provide consultation in testing of **Finacle** customized components in **customization** layer.
- Prepare enhancement design for Finacle code base which includes a growing component library of more than **3000+ customization** code components that enables Discover to integrate and maintain all customer accounts in their portfolio.
- Consulting with various business and technology teams for designing Interface Control Documents (ICDs) for various APIs and map API fields with **Finacle** database.

▪ **Finacle automation Framework for Reports and Extracts:**

- Design reports for various **financial, tax** data, correspondence, **audit**, and **compliance** (CREDIT BUREAU, REG-E, REG-D, OFAC, 1098-E etc.) reports as per business requirements.
- Design automation framework for the bank's **core banking solution** on which bank is running all the main business functionalities.
- Prepare data scripts for various business requests from downstream applications such as **collections, data warehouse** etc. using Finacle and Shell script.
- Identifying the list of key data element and **mapping** to system fields in **Finacle**.
- SME for performing the analysis on **data extraction**, transformation, cleansing, upload, and reconciliation of the data.
- Mapping critical data elements to various data sources used for report submission.
- Identifying data gap and data **quality** issue
- Creation of detailed requirement specification mappings for data extraction into various Discover Bank's downstream systems - FODS, CDS and ECS systems.

▪ **Build Business Solutions, Functional, and technical design:**

- Define scope and estimate development efforts for **DSL** and **LOC** transformation project for development of various functionalities.
- Responsible for interpreting **Functional** design and translate to technical design by assessing impact on current Finacle system / modules (**Payments, Originations, correspondence, Servicing**) and Finacle core and CRM custom scripts for lending using requests from downstream applications such as collections, data warehouse etc.
- Analyze Finacle product impact due to DSL project requirements and collaborates with product team for technical design on **product enhancements** and subsequent changes in custom code.
- Review the software code to ensure adherence to design and enterprise coding standards.
- Using **Finacle expertise**, consults with business to clarify program intent, identify problems, and provide suggestions and approaches.
- Provided **POCs** and prepared **framework** for migrating cold-fusion apps to **PCF cloud using Java Spring MVC4, Hibernate, and JPA**.
- Used **Gradle, GitHub, and Jenkins** for automation and continuous Integration of Apps on PCF.

## **EDUCATION**

**Master of Computer Science – GPA 3.1 (May 2015)**

**Illinois Institute of Technology**

Coursework – Database Organization, Object-Oriented Design & Programming, Software Engineering, Software Testing & Analysis, Science of Programming, Software Quality Management, etc.

**Bachelor of Engineering – GPA 3.3** (June 2013)

**Gujarat Technological University**

Coursework – Digital logic design, Data and File structure, Computer Organization and architecture, Microprocessor & Interfacing, Object-Oriented Analysis Design and UML, Design, and analysis of Algorithms, Object-oriented programming with Java, etc.