# BONY THOMAS

**Senior Software Engineer · Kotlin & Java · AWS · Integration Platforms**

Vancouver, BC · +1 (778) 444-1800 · bonythomasv@gmail.com · bonythomas.ca · linkedin.com/in/bonythomas · github.com/Bonythomasv

## PROFESSIONAL SUMMARY

Senior software engineer and technical lead with 15+ years building integration platforms, microservices, and cloud infrastructure for enterprise retail, finance, and higher education. Currently building Kotlin backend services and MuleSoft integrations at UBC on AWS EKS with Terraform. Led a Spring Java-to-Kotlin migration of Target's store communication platform, ran 24/7 support for retail systems processing 1M+ transactions a day, and cut latency 40% on a petabyte-scale messaging platform. Co-founder of LeagueOS and Harvest Store + Cafe, where I build AI-enabled products and run the business's financial operations.

## TECHNICAL SKILLS

**Languages:** Kotlin, Java (17), TypeScript, JavaScript, Python, Go, Groovy, SQL, PL/SQL

**Integration & messaging:** MuleSoft, REST, SOAP, Apache Kafka, event-driven architecture, microservices

**CI/CD & observability:** Jenkins, GitLab CI, Azure DevOps, Bamboo, Gradle, Maven, ELK stack, CloudWatch

**Testing & practice:** JUnit, Mockito, code and design review, security-first design, Agile/Scrum, Kanban

**Frameworks:** Spring Boot, Spring, Hibernate, Next.js, React, Android

**Cloud & infrastructure:** AWS (EKS, CloudWatch, Elasticsearch), Azure (AKS), GCP, Terraform, Docker, Kubernetes, Chef

**Data:** PostgreSQL, MySQL, Oracle, Cassandra, MongoDB, Redis, HBase, Elasticsearch, Spark, Aerospike

**Domains:** retail and store operations, financial services, POS and online ordering, merchant onboarding

## PROFESSIONAL EXPERIENCE

**University of British Columbia** — **March 2022 – Present**

*Senior Software Developer* — *Remote*

- **Kotlin backend services:** Build backend services in Kotlin as part of migrating UBC's Student Information System from a legacy monolith to cloud-native microservices on AWS EKS, serving 60,000+ students and staff.
- **API orchestration and integration:** Lead MuleSoft-based API orchestration for UBC's foundational API services. Built custom MuleSoft plugins and Spring Boot (Java 17) microservices in Java and Kotlin, and set integration patterns for service mesh and event-driven architecture.
- **Infrastructure and observability:** Build CI/CD pipelines with Jenkins, GitLab CI, and Terraform; containerize services with Docker and deploy them to Kubernetes; set monitoring standards with CloudWatch and the ELK stack. Delivered AWS Elasticsearch integration and complex data migrations.
- **Cybersecurity applications:** Founding developer of new full-stack security applications for UBC's Cybersecurity team. Defined the architecture, stack, coding standards, security-first design principles, and CI/CD.

**Pattison Food Group** — **February 2021 – March 2022**

*Technical Lead* — *Langley, BC*

- **Retail modernization:** Led modernization of legacy enterprise applications into cloud-native, containerized platforms across Save-On-Foods, Quality Foods, and Urban Fare. Managed a team of 9 developers.
- **Store inventory integrations:** Subject matter expert for Store Inventory Management, owning system integrations that tracked inventory across 200+ retail locations. Improved performance 50% through database optimization and a caching layer.
- **Delivery and reliability:** Cut deployment time 70% with automated CI/CD. Ran architectural code reviews and 24/7 production support for mission-critical systems processing 1M+ transactions a day.
- **Infrastructure:** Built CI/CD with Terraform and Azure AKS, running 50+ microservices at 99.9% uptime while reducing infrastructure costs 40%. Designed Spring Boot (Java 17) microservices and ran Agile ceremonies with business stakeholders.

**Global Relay** **August 2020 – February 2021**
*Senior Backend Engineer* *Vancouver, BC*

- **Performance at scale:** Reduced end-to-end latency 40% on the A10 platform, a message processing system handling petabytes of data.
- **Reliability:** Integrated Aerospike caching into message-view workflows, cutting query latency 60%. Tuned JVM garbage collection, refined production alerts, ran disaster recovery, and kept the platform at 99.95% uptime across millions of messages a day.
- **Engineering practice:** Diagnosed complex distributed-system issues, built CI/CD pipelines, and led code and design reviews for peer and junior engineers.

**Target** **January 2010 – August 2020**
*Senior Engineer* *Minneapolis, MN*

- **Target Alert Platform:** Led development of the microservices platform connecting 1,900+ stores and 100,000+ team members. Migrated its services from Spring with Java to Spring with Kotlin.
- **Business impact:** Built the backend communication for the Drive Up rollout, contributing to a 30% increase in combined store and online sales. Messaging and push notification services reached a 99.8% delivery success rate.
- **Vendor replacement:** Led an in-house communication platform from proof of concept to production, replacing the Redwire vendor product and saving $5M in upgrade costs.
- **Platform excellence:** Built CI/CD on OpenStack and GCP with 99.9% platform stability. Led API performance testing, disaster recovery, code and design reviews, and mentoring.

**Fiserv** **November 2015 – December 2016**
*Lead Programmer* *Omaha, NE*

- **SNAP merchant onboarding:** Led development of a cloud merchant onboarding platform on Salesforce and Oracle CPQ, powering 60%+ of First Data's merchant acquisition workflow and thousands of transactions a month.
- **Web and mobile:** Delivered Salesforce and Android apps sharing an AngularJS UI, with SSO between Android and Salesforce.
- **Quality and leadership:** Unit tested with JUnit and Mockito, wrote design documentation, and led onsite and offshore teams as technical lead.

## VENTURES

**LeagueOS** **leagueos.ca**
*Co-founder* *github.com/League-OS*

- Building a full-stack platform that runs badminton leagues and tournaments end to end: registration, draws, scheduling, live courtside scoring, standings, and rankings.
- Own the product, web app, service APIs, and live operations.

**Harvest Store + Cafe** **December 2024 – Present**
*Co-founder* *theharvestcafe.ca*

- **Integrated operations:** Built the cafe's website and online ordering, integrated with Clover POS, plus custom APIs that calculate and distribute tips automatically.
- **AI tooling:** Created Harvest AI for schedule prediction, workload optimization, and sales forecasting, and added a Google Gemini chatbot to the website.
- **Financial operations:** Run budgeting, timesheets, and payroll, and work with accountants on tax filings and financial reporting.

## EDUCATION

**Cochin University of Science and Technology** **April 2006 – May 2010**
*Bachelor's, Electronics and Communications*