

MARC-ANDRE BEAUDRY

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Hands-on engineering manager with more than 7 years of experience doing full stack development, and over 5 years of experience managing developers. Primarily using Angular Material and Java Spring Boot for my work, but as a coding enthusiast, I also like to experiment with C#, Python and React on my free time.

TECHNICAL SKILLS

PROGRAMMING: Java 14/15, JavaScript, TypeScript, Python, C#

DATABASES: Postgres, DB2, Sybase, MongoDB, Stardog, ElasticSearch

FRAMEWORK / TECHNOLOGIES: Docker, Angular, Hazelcast, Redis, Kafka, IBM MQ, GraphQL, Kibana, Tableau, Splunk

EXPERIENCE

JANUARY 2020 – NOW

VICE PRESIDENT – ENGINEERING MANAGER, MORGAN STANLEY, ENTERPRISE SYSTEM MANAGEMENT

- Managed a team of 12 full stack developers in Montreal and 5 in Bangalore, responsible for building and maintaining over a dozen systems within Enterprise System Management department.
- Full stack chapter lead role for the 40+ people department. Wrote over 50 articles and tutorials about engineering guidelines. Coached both junior and experienced developers to follow best practices for Java Spring Boot and Angular.
- Coached 25+ developers in their career growth within the firm, set and reviewed yearly goals.
- Coached 4 different agile squads and supervised other team leads to ensure timely deliverables for the business.
- Engineered, maintained, and supported dozens of business-critical applications used for asset inventory, network lifecycle management and firmwide plant monitoring.
- Tackled 2 large firmwide internal applications (1M+ LOC) migration effort, spanning 2 years, from legacy Flash-based framework towards Angular Material.

MARCH 2017 – JANUARY 2020

ENGINEERING MANAGER, MORGAN STANLEY, ENTERPRISE SYSTEM MANAGEMENT

- Hired and built a team of 10 full stack developers in Montreal.
- Established the department's coding standards and best practices when doing full stack development using Java Spring Boot and Angular.
- Architected and built multiple new components for inventory management systems, for example:
 - o Designed and built (UI, APIs, Data Pipeline) a graph data platform containing close to 1B triples, for infrastructure analytics.
 - o Architected and built a configuration management search engine using Elasticsearch for typeahead across 50 million documents.
 - o Engineered and built data marketplace APIs used by hundreds of internal systems. APIs used by other teams to perform infrastructure monitoring, regulatory reporting, infrastructure usage billing and incident management.
 - o Built web applications using Angular Material for system management. Used daily within global technology and compliance divisions. (20k+ users)
 - o Engineered and built a system that enabled firmwide network access control with Cisco ISE, managing the lifecycle of over a million unique devices.

AUGUST 2016 – MARCH 2017

SOFTWARE DEVELOPER, APPDIRECT, BILLING AND PAYMENT INSTRUMENTS

- Developed 1 new payment gateway integration using Java Spring Boot for AppDirect marketplace.
- Designed and developed new payment strategies to meet complex billing use cases in the telco industry.
- Developed an Angular + Spring Boot system to automate new payment gateway integration testing with our marketplace.

FEBRUARY 2015 – AUGUST 2016

SOFTWARE DEVELOPER, MORGAN STANLEY, ENTERPRISE INFRASTRUCTURE

- Developed a system for visualizing and analyzing trading infringements. Used KDB and DB2 for storage, Java Spring for the backend and C# WPF for the frontend.
- Built a system to store, display and perform graph analytics on infrastructure configuration management system. The system was implemented using Marklogic NoSQL database using RDF standard.
- Developed API gateway and microservice platform using Java Spring and Apache Zookeeper.
- Engineered an automated deployment workflow for our microservices, using blue-green deployment strategy.
- Built interactive widgets using D3JS to perform infrastructure data exploration and analysis.

FALL 2012 & FALL 2013

SOFTWARE DEVELOPER - INTERN, TM4 INC, SOFTWARE ENGINEERING

- Designed and deployed a software and hardware system for the characterization of electric motors. Improvement from a 2 week to a few hours automated process, reducing time to market for onboarding new motors.
- Developed the characterization software using C# WPF.
- Interfaced 3 measurement devices using their native C++ libraries for applications in C#.

SUMMER 2011 & SPRING 2012

SOFTWARE DEVELOPER - INTERN, IBM CANADA, AUTOMATION DEPARTMENT

- Developed an application in Java used for the versioning of electrical and mechanical drawings. This application drastically reduced the time required for documentation (80% reduction) and allowed more flexibility over permissions related to document visibility.

EDUCATION

DECEMBER 2014

COMPUTER ENGINEERING BACHELOR, SHERBROOKE UNIVERSITY

GPA 4.19/4.30

- Received Joseph-Armand Bombardier Scholarship for academic excellence, in 2013.
- Received Medal of Merit, which recognize the academic excellent, extracurricular activities and professionalism, in 2014