

Anthony Dahanne

Senior Software Engineer

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slideshare.net/anthonydahanne/presentations

SUMMARY

As a software engineer for more than 15 years, I've been experimenting with several technologies from Ruby on Rails to Android with some Go, Python and NodeJS along the way.

My specialties though are Java backend development, developers tooling and CI / CD: during my different assignments I have learned to produce quality code (setting up CI) and be responsible for its production execution (setting up CD environments and observability).

Ever since I settled in Canada, I've been mainly working on Java based performance products (Compuware Vantage, Terracotta), and I've even been CTO and co-founder of a startup for a year.

I'm also invested in local communities: currently I'm one of the leaders of the Montreal Java User Group (monthly Java meetups) and Devox4Kids (quarterly events to familiarize kids with robotics)

SKILLS

Java, Kotlin, JEE, Hibernate, Spring Boot, Maven, Gradle, CI (Jenkins / CircleCI / Github Actions / Gitlab CI) CD (ArgoCD / Harness), Restful APIs, Cloud (Docker, Kubernetes, Prometheus, Terraform, AWS)

EDUCATION

ENSEA (Ecole Nationale Supérieure de l'Electronique et de ses Applications) Cergy, France July 2005
MSc in Electrical Engineering/Computer Science/Telecoms

RELEVANT EXPERIENCE

Wise Systems – Montréal, QC, Canada October 2021 – present
Senior Cloud Engineer

- Setup Gitlab CI/CD pipelines for a variety of projects (NodeJS, Scala, Terraform with AWS)
- Move all the different frontend projects from EC2 running Nginx to CloudFront using Terraform
- Containerize one of the core projects leveraging AWS ECS Fargate
- Mentor, document, present migration path to the cloud to engineering teams

National Bank of Canada – Montréal, QC, Canada July 2020 – October 2021
Senior Software Engineer

- Write and execute on commit Terraform manifests to provision AWS infrastructure
- Set-up and maintain Continuous Integration (CI) with CircleCI and Github Actions
- Create and maintain developers tool to initialize new projects (create git repository, CI and CD pipelines)
- Work on buildpacks for developers (templates to create Docker images of Spring Boot based projects) with Kotlin

Adaptive Financial Consulting – Montréal, QC, Canada October 2019 – July 2020
Senior Software Engineer

- Architect Continuous Integration for in house product Hydra: integrate Jenkins with SSO (using SAML), use configuration as code to set up Jenkins and Nexus in AWS and deploy the solution with Terraform
- Design and deploy an observability stack in AWS: integrate with existing Hydra based deployment in AWS, configure required IAM roles, NACL, Security Groups to let Prometheus and Grafana scrape aggregated metrics from dozens of EC2 instances

Terracotta, a Software AG company – Montréal, QC, Canada (remote position) March 2012 – November 2014
Senior Software Engineer November 2015 – October 2019

- Cloud lead for Terracotta: in charge of maintaining, testing and assisting customers with all Terracotta Docker images (with a focus on Kubernetes deployment)
- Lead developer for Management and Monitoring webapp based on Spring Boot (spring security, spring web, spring actuators, etc.)
- Maintain a management and monitoring Rest API for Terracotta products, relying on Jetty and Jersey (can be secured with SSL certificates, identity assertion. Authentication and Authorization are backed by Ldap / Active Directory (using Apache Shiro)

Potloc – Montréal, QC, Canada
CTO

November 2014 – November 2015

- Lead frontend (jQuery, Mustache) and backend development (Ruby On Rails)
- Apply agile best practices (leads scrum meetings, organize backlogs, check quality automation)
- Maintain and evolve the web platform infrastructure (cloud deployment with Docker, continuous deployment, monitoring with NewRelic)

Compuware Corp. – Montréal, QC, Canada
Software Developer

January 2010 – March 2012

- Design and develop adapters for GBSM Vantage (based on the Eclipse Equinox OSGi runtime)
- Integration of the Equinox p2 provisioning system into GBSM Vantage
- Lead the migration from the old build system based on PDE/Ant to Maven Tycho (including CI automation)
- Contribute to p2 and Tycho open source projects both under the Eclipse Foundation umbrella

Crédit Agricole S.A. – Paris, France
Software Architect

October 2009 – January 2010

- Design technical architecture for new IT projects
- Help projects managers with writing technical documentations (set up documents, stream mappings documents)

ClubMed – Paris, France
Software Engineer

September 2008 – October 2009

- Work as a JEE software developer, as part of an agile project (Scrum), using Eclipse for JEE, on a 3-layer design (application services, business services, and DAO)
- Set up Continuous Integration with Hudson, Maven 2, Junit (unit testing) and Fit (integration tests)
- Consume web services using Apache CXF and JBoss WS to generate POJO classes from a WSDL contract; use GWT to create a web client

Société Générale Corporate & Investment Banking – Paris, France
Software Engineer

April 2008 – September 2008

- Develop new features in the Calypso framework (Back Office for derivative products), using Java Swing
- Reintroduce JUnit tests on the project, and continuous integration with QuickBuild

DCNS (a Thales subsidiary) – Bagnaux, France
Java Trainer and Software Designer

September 2007 – April 2008

- Train 4 groups of 12 people on Design patterns, UML designing (with Rational XDE) and Spring Core
- Design parts of the model with Rational XDE, work on the interactions between modules and packages, using the MDA methodology (Model Driven Architecture)

Gaz de France – La Défense (Paris), France
Software Developer

April 2006 – April 2008

- Develop and maintain a Struts 1.3 based web application, backed with EJB2 (sessions and entities, generated from XDoclet) deployed on a Weblogic 6.0 server
- Migrate the application from Apache 1.3 to Apache 2.0, and also from Weblogic 6.0 to Weblogic 8.0

Netaktiv – Paris, France
Software Engineer and Integrator

July 2005 – April 2006

- Integrate websites using Lutece (a JEE Content Management System) and Joomla (a PHP CMS)
- Administrate Debian Linux servers for customers, install Java environment for Lutece, Apache2 web servers, create email accounts backed by Postfix and DNS entries backed by Bind9

OPEN SOURCE

- Ehcache and Terracotta OSS libraries contributor / releaser
- Creator of ReGalAndroid (Android app to browse remote self hosted galleries, formerly G2Android)
- Contribute to / create / maintain several Maven, Jenkins and Nexus plugins (see github profile)

CONFERENCES

- Montreal Java User Group co-leader: select speakers, find venues, organize meetups
- CNCF Eastern Canada meetup co-organizer: select speakers, find venues, organize meetups
- Speaker at local and international conferences: Valtech Days, XP Day, Android and Java Montreal User Group, Confoo, EclipseCon, DevOxx, DevNexus, Oracle Java One, Kubecon, JCon

ACCOMPLISHMENTS

- Author of the book “Spring for Android”, published by Packt Publishing in 2013
- Finalist of the Montreal “Défi Info Neige” challenge with a Spring, Leaflet, PostGIS based webapp to locate available parking spots during snow removal operations

SKILLS & CERTIFICATIONS

- French (native), English (fluent), Spanish (business)
- Sun Certified Java Programmer (SCJP) and Web Component Developer (SCWCD)
- Certified Scrum Master (certification obtained after attending Jeff McKenna's official Scrum Alliance training)

NON PROFIT

- Devovx4Kids Montreal co-leader: in charge of 5 to 7 year old children programming activities (Ozobot, Scratch Junior, Robot Turtles, etc.)

INTERESTS

- Video editing, 3d printing, travels, sports (ski, run half marathons)