Yannick Lemin

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Nationality: Belgian

CONTACT

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ABOUT MYSELF

I am a Senior Software Engineer and Architect with 24 years of hands-on experience spanning C++ cross-platform systems, enterprise Java/Kotlin back-ends and large-scale Android applications. A decade as a freelancer has let me solve business-critical problems for banks, media groups and insurers, consistently delivering secure, high-performance software used by millions of customers.

Key capabilities include —

Mobile: 12 years designing and shipping Android apps, from green-field builds to refactoring monoliths into modular, testable codebases that support >1 million monthly active users.
Cloud & platform engineering: Spring Boot micro-services, CI/CD pipelines, and Kubernetes-based delivery on Microsoft Azure; owner of shared libraries and scaffolding that cut onboarding and build times for dozens of teams.
Quality & reliability: Advocated and implemented unit, API, performance and load testing frameworks, keeping crash rates and production defects to a minimum across front- and back-end domains.
Technical leadership: Comfortable translating complex architecture for stakeholders, mentoring developers, and aligning delivery with regulatory and security requirements.

Having completed targeted courses and prototype work with large language models, vector databases and prompt-engineering techniques, I am now focusing my career on Generative AI engineering. My goal is to integrate LLM-powered capabilities—search, reasoning, summarization—into production systems that improve customer experience and developer efficiency.

What I bring: depth in software craftsmanship, breadth across the stack, and a track record of accelerating teams with robust tooling and clear communication. What I seek: a role where AI is not a side experiment but a core product driver, allowing me to consolidate and grow my GenAI expertise while delivering measurable business value.

WORK EXPERIENCE

BNPParibas Fortis Brussels, Belgium

Senior Software Engineer (Freelance)

01/09/2024 – Current
- Member of the backend team in mobile tribe, working on an Java / Kotlin application which purpose is to interface with third party provider and manage their services from the mobile app.
- Maintainer of lots of different kinds of tests, such as unit tests, api tests (end to end using restAssured), performance tests (using Gatling).
- Transforming Java backend application to Kotlin.
- Feature technical analysis, architecture and refinement.

Belfius Brussels, Belgium

Senior Software Engineer (Freelance)

01/04/2022 – 31/08/2024
- Member of a support team for which role was to work on the Spring Boot platform, help development teams to be as efficient as possible for development and deployment of micro-services on Microsoft Azure cloud.
- Creation of libraries, part of the platform, to help efficiency and reduce boilerplate
- Creation of centralized pipeline system to simplify the DevOps for the development teams

- Creation of a scaffolder application to help the development teams create new applications and reduce boilerplate
- Worked with Azure cloud services, Azure Devops, Kubernetes, Istio, ...
- Monitoring with Spring Boot actuators, Jaeger, Azure Monitor

DPG Media Vilvoorde, Belgium

Senior Android Developer / Architect (Freelance)

31/12/2019 – 24/03/2022
- General development and maintenance of 2 media apps based on the same code base
- Architected new features in order to integrate them best with overall infrastructure
- Implementation of Clean Architecture
- Integration of multiple SDK
- Worked on Video player

Belfius Brussels, Belgium

Senior Android Developer / Architect (Freelance)

31/07/2016 – 30/12/2020
- General development and maintenance of their main banking application (1M monthly active users on Android) in Java, Kotlin and occasional C++
- New feature development
- Technical advisor for architecture solutions
- Major refactoring of several legacy lower level monolithic layers intomodular components (network communication, security, dependencyinjection, ...)
- Creation of custom views, one of them being a custom layout manager forRecyclerView
- Integration of many 3rd party SDKs, such as video calling, contactlesspayment, 2 step authentication frameworks, etc.
- NDK development in C++
- Setup of automated tests

Portima Brussels, Belgium

Senior Android Developer / Architect (Freelance)

14/07/2014 – 30/07/2016
- General development and maintenance of multiple insurance oriented applications using Java
- Integration of development best practices in the team
- Moved from separate app tablet / phone to a universal app
- Full refactoring of the network communication and security layer
- Integration of USB card readers used to read Belgian electronic Id cards inthe app, information used to fill up forms and electronically signdocuments
- Creation of various library used in multiple apps
- Setup automated tests in the project, and put in place CI with Jenkinsrunning unit and integration tests, experimented a bit with automated deployment in the Play Store

Cullen International Namur, Belgium

Senior Web Developer (Freelance)

31/03/2014 – 13/07/2014
- Web development in a Java back-end and Javascript with Angular
- Integration of a Angular JS front-end in an existing java based webapplication
- General bug fixing and maintenance of the application
- Help with redefining process for certain aspect of the app

Octo Technology Brussels, Belgium

Senior Architect, Web and Android Developer (Employee)

14/06/2012 – 30/03/2014

- Architect and Lead Developer for Alpha Credit: GWT front-end with Java back-end application. Coaching of the team, introduction of development best practices and agile methods
- Android Developer for BNP Paribas Hello Bank application. Part of a large team, worked on various features, custom views, communication layer, security
- Research and Development into secure message transmission using NFC and Bluetooth on Android
- Android developer for the Keytrade Banking app, including general refactoring and code improvement, creation of custom views, introduced unit testing in the project
- Android developer for La Poste in France, integrating a large team, working on all aspects of the app and improving code practices and coaching other team members

Early Career

2000 – 2012

Scheduling Systems Inc. — C++ Engineer | Waltham, MA, USA | Nov 2000 – Mar 2007
• Built a cross-platform aircraft-scheduling product in C++/Qt backed by Oracle.
• Delivered and supported releases on HP-UX, Solaris, Linux and Windows environments.
• Introduced build scripts and standardised developer workstations, streamlining the team's workflow.

Emakina — Web / Java Developer | Brussels, Belgium | Mar 2007 – Mar 2011
• Architect and lead developer for Truvo's MySite CMS; produced an Android proof-of-concept to extend it to mobile.
• Led Samsung's MySamsung portal and a YouTube-style video platform for Caterpillar.
• Delivered web and Android solutions for banks, energy firms and advertising clients, including Electrabel's first mobile app.

Getronics — Senior Java Developer | Brussels, Belgium | Mar 2011 – Jun 2012
• Designed and implemented Java applications for Belgium's Ministry of Finance.
• Created an Android SharePoint client, demonstrating integration with Microsoft's non-standard authentication protocol.

EDUCATION AND TRAINING

31/08/1997 – 29/06/2000 Seraing, Belgium

Bachelor of Computer Science Software Engineering Haute Ecole Rennequin Sualem (Inpres)

02/2025 – 04/2025

LLM Engineering: Master AI, Large Language Models & Agents Udemy

04/2025 – CURRENT

The Complete Agentic AI Engineering Course (2025) Udemy

LANGUAGE SKILLS

MOTHER TONGUE(S): French

Other language(s):

English

  Listening C2
Spoken production C2
  Reading C2
Spoken interaction C2
  Writing C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user

SKILLS

OpenAI API | Anthropic API | Gemini API | RAG | Langchain / Langchain4j | OpenAI Agents SDK | Database (SQL, NoSQL, Vector) | DevOps | Java | Kotlin | Web Languages (HTML, XML, CSS) | Microservices | Git | Docker | Kunernetes | Microsoft Azure | JVM | Spring (Spring Boot, Spring Security) | Testing Frameworks and Practices(Unit, End-to-End, Performance) | Agile: Scrum/Kanban | Maven / Gradle | JetBrains IDEs (IntelliJ, PyCharm, WebStorm, etc)

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