# Bernard Niset

SENIOR FULLSTACK DEVELOPER (FREELANCE)

As a Senior Fullstack Engineer, I utilize a strong background in Java-based backend services combined with extensive experience in modern frontend technologies. My recent shift to fullstack development allows me to apply my thorough knowledge of the Java Platform and harness the capabilities of the Angular framework to create interactive and responsive user interfaces.

Testing continues to be a critical component of my development process. I am proficient in systematic unit testing and adept at using advanced integration tools such as Cypress and Playwright, which are essential for thorough application testing and effective backend simulation.

## **Specialties**

Strong expertise in Angular, TypeScript, and JavaScript. Comprehensive experience in backend technologies, including Java, Spring, Hibernate, Web Services, and Cloud Computing. My approach focuses on integrating innovative frontend techniques with robust backend solutions to deliver superior outcomes for clients.

## About Me

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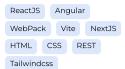
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## Skills

## Web Development



# Programming Languages



Java Ecosystem

Spring Hibernate

Databases

PostgreSQL Oracle
MySQL/MariaDB

Tooling

Docker Git

Methodology

Scrum TDD
Testing Strategy

Languages

English (Full professional)
French (Native)

# Experience

# **RVA-ONEM** (via 5thfloor)

04/2024 - Present

Senior Fullstack Developer

Fullstack development in Angular and Java

Working on admissibility and temporary unemployment projects for the **RVA-ONEM** organization.

angular java spring boot hibernate typescript

# **GLS Belgium**

09/2022 - 03/2024

Senior Frontend Developer

Frontend development in ReactJS and TypeScript

Contributed to developing the <u>MyGLS</u> project, a web application that facilitates personalized shipment options and enables users to monitor and track their shipments with ease. GLS partners with independent entities for shipment deliveries, maintaining responsibility for their compliance with legal standards related to company status, drivers, and vehicles. To support this, we developed an <u>application</u> that organizes and stores information on transport partners, drivers, vehicles, and their legal documentation.

- Frontend development using **ReactJS**, **TypeScript** and **NextJS** and **ant-design**.
- Synchronize copywriting using Phrase.
- Unit testing with react testing library.
- Integration and Screenshot testing with Playwright.



## **EVS Broadcast Equipment**

05/2021 - 08/2022

Senior Frontend Developer

Frontend development in ReactJS and TypeScript

Contributed to the development of the Production Asset Management (PAM) <u>IPD.VIA</u> project. This PAM software stands as an essential tool for television networks, streamlining the efficient management, organization, and accessibility of their digital content and media assets.

- Development of a HiRes video player on the <u>Electron</u> platform. Interface with the in-house C++ video library via node n-api.
- Development of a file ingest application (<u>Electron</u> + Web) for ingesting local video files.
- Modernise the stack and port the application to latest versions of dependencies and tooling (<u>ReactJS</u>, <u>Webpack</u>, <u>Electron</u>, NodeJS, <u>CRA</u>).
- Development of a video editing tool for FOX Sports US (ReactJS).

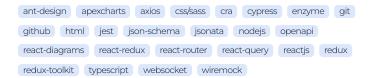
cucumber	cypress	electron	electro	n-forge	nodejs	react-redux	reactjs	redux	redux-saga	redux-thunk
react-query	typescrip	t webpa	ick cp	p no	de-gyp	node-napi				

Senior Frontend Developer

Frontend development in ReactJS and TypeScript

Developed proprietary **Data Observability** software to help organizations ensure data quality, reliability, and integrity through comprehensive monitoring and analysis of their data ecosystem.

- New features in the frontend using **ReactJS** and the **Antd Design** System.
- Write **OpenAPI** (swagger) definitions to specify the interface with the backend
- Frontend testing with <u>Cypress</u> and <u>Wiremock</u>.
- Mock implementation of the backend to allow for parallel development



# **Deutsche Bank Belgium**

01/2019 - 11/2019

Senior Frontend Developer Frontend development in Angular

I contributed to the development of the bank's Online Banking application, a customer-facing platform that provides account holders with access to traditional banking features like checking account balances, viewing transaction history, and making payments. My specific contributions involved developing an innovative feature that enables users to link cards from other banks, as well as enhancing the user experience on the sign-in screens.

- Card Linkage: allow users of OLB to link their third party cards to their bank accounts.
- · Signing screen
- Admin application used by internal bank users
- Code reviews (PRs) of frontend and backend code
- Mock implementation of the backend to allow for parallel development
- · Frontend Testing with Cypress and Wiremock.



# **EVS Broadcast Equipment**

Senior Frontend Developer Frontend development in ReactJS

Development for the IPD.VIA project.

- Development of a Workflow Management UI.
- Development of a HiRes video player on the **Electron** platform.
- Development of a file ingest application (Electron + Web) for ingesting local video files



# **EVS Broadcast Equipment**

Senior Backend Developer Backend development in Java and Spring

Development for the IPD.VIA project

- Development of a Transfer Agent for transfering files from/to ftp, sftp, AWS S3, Aspera, File Catalyst, Tape storage.
- Automation test framework for integration testing the Transfer Agent, using docker and docker-compose.

spring	amazon-web-services	spring-boot	java-8	rest	docker
docker-d	compose				

#### Design is Dead (now Emakina) 05/2017 - 10/2017

Senior Fullstack Developer

Fullstack development with AngularJS, Angular and Java

Development of applications for Base Company.

• Fulstack Development in Java, <u>AngularJS</u> and <u>Angular</u> of features for the Base e-commerce website



## **BNP Paribas Fortis**

08/2016 - 04/2017

Senior Developer, Technical Architect, and IT Integrator Managed deployment and integration for Scrum team projects.

Orchestrated seamless deployment of Scrum team projects within the bank's infrastructure, ensuring product integration with dependent systems. Managed server provisioning, network configuration, and WebSphere setup. Oversaw application security, roles, and SQL script implementation. Mentored the development team on technical decisions and coding practices, and facilitated test automation with tools like **Cucumber-Java**.

Worked within an Agile/Scrum methodology, utilizing technologies such as Hibernate, Java, Oracle, Spring and WebSphere.

- Follow-up infrastructure provisioning of servers
- Follow-up configuration of network routing
- Follow-up Websphere setup for the application
- 03/2018 12/2018 Manage security and roles
  - Provide SQL scripts to DBAs and follow-up their execution
  - · Follow up with the development team, guide technical choices and implementation
  - Provide tools to allow test automation

bdd	cucumber-java		hibernate	java	oracle	spring	tdd
websphere		liquibase					

Senior Fullstack Developer

Developed consumer apps; web, mobile, cloud in Agile team.

Developed and managed consumer-facing web and mobile applications, utilizing JavaScript, TypeScript, and Swift within an Agile/Scrum environment. Handled full lifecycle development with Spring/Hibernate and managed AWS hosting.

- Frontend web development in JavaScript and TypeScript
- iOS development for iPhone in Swift
- · Backend development with Spring
- Manage the Application hosted on <u>AWS</u> (S3, RDS, Elastic Beanstalk)

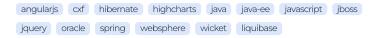


## **BNP Paribas**

09/2010 - 09/2015

Senior Fullstack Developer - Application Architect - Dev Lead Fullstack development in JavaScript and Java with Spring/Hibernate

Developement, Team Leading and architectural design for the Centric project, delivering crucial trading and post-trade applications. Spearheaded the creation of framework tools and applications for FX trading, market data visualization, and regulatory EMIR reporting, leveraging Java and JavaScript technologies within an Agile/Scrum methodologies.



# Electrabel - Engie

04/2009 - 08/2010

Senior Software Developer

Backend J2EE and BPMN development of Energy Trading Application

Contributed to the ETRM project, focusing on backend J2EE development and BPMN for energy trading applications. Developed components using <u>Java</u>, <u>Spring</u>, and <u>Hibernate</u>, implemented workflows. Utilized technologies such as Wicket, Jasper Reports, JBoss, Oracle, Ant, and SVN within a Waterfall methodology framework.



# **Direct Mobile SPRL**

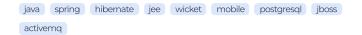
10/2006 - 03/2009

Senior Software Developer and Owner

Architecture, Frontend, Backend developemnt in

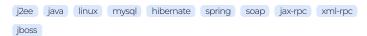
Java/J2EE

Led the architecture, development, and production support of mobile applications. Specialized in Java/J2EE platforms, focusing on both frontend and backend systems, and leveraged technologies such as **Wicket**, **PostgreSQL**, **JBoss**, and **ActiveMQ** to deliver sophisticated mobile solutions.



Senior Software Developer

DVB-RCS Project. Development of the network Hub management application (Customer Configuration Management Tool). J2EE Java Development with <u>Jboss</u> / <u>Hibernate</u> / <u>Spring</u> on Linux/Windows.

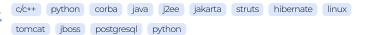


# Golog SPRL

01/2002 - 12/2004

Senior Software Developer and Architect

Development of a redirection system for bad requests done by ISPs Internet users. Design, development and technical support of the complete IT infrastructure following the requirements provided by the customer. The redirection engine is written in <u>C++</u> and <u>Python</u>, the administrator part is a web site written in **J2EE**.



# **IBM Belgium**

09/2000 - 06/2003

Senior Software Developer and Team Leader
Windows and Unix Development in C++

Part of the GUI development for the <u>CLS Bank</u> system, ensuring crossplatform compatibility across Windows NT and <u>AIX</u>. Led the design and enhancement of a complex <u>MFC/STL</u> application and a <u>C++</u> API. Mentored a team of 6, improved code quality, provided <u>AIX</u> support, and developed a <u>Java</u> based system monitoring tool.



# Various Companies - France, Belgium

01/1991 -09/2000

Senior Developer and Team Leader
Windows and Unix Development in C++

Senior Software Developer and Team Leader with a strong track record from 1991-2000, specializing in the development of web and distributed applications, EDM systems, and workflow solutions. Led and contributed to key projects in a range of environments, utilizing technologies such as <u>C</u>, <u>C++</u>, <u>Java</u> and <u>Python</u> across <u>Windows</u>, <u>UNIX</u> and <u>Linux</u> platforms.

Demonstrated expertise in database management and development tools, delivering scalable solutions in telecom, document management, and various freelance engagements.

- Versatile Software Developer and Team Leader with a proven history
  of leading innovative projects in telecom, document management,
  and web development from 1991-2000.
- Expert in a multitude of programming languages and database systems across various platforms.
- Delivered high-impact solutions and applications, both as a full-time specialist and a freelance contractor, contributing to the technological advancement of multiple organizations.



# Education

# FDHFC

EPHEC	
Graduat Computer Science	01/1987 - 01/1991
Institut des Arts de Diffusion	
Graduat Sound Engineering	01/1984 - 01/1987
Athénée Royal Maurice Carème Wavre	
Enseignement secondaire Mathématiques	01/1982 - 01/1984