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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bn3t

Skills

Web Development

ReactJS · Angular · WebPack · Vite · NextJS · HTML · CSS · REST · Tailwindcss

Programming Languages

TypeScript · JavaScript · Java · C/C++

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 MyGLS 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 application 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.

reactjs · zustand · ant-design · apexcharts · framer-motion · typescript · react-testing-library · playwright · vitejs · nextjs · axios · leaflet · openapi · tailwindcss · typesafe-i18n

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

cucumber · cypress · electron · electron-forge · nodejs · react-redux · reactjs · redux · redux-saga · redux-thunk · react-query · typescript · webpack · cpp · node-gyp · node-napi

Kensu   12/2019 - 04/2021

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 **Cypress** and **Wiremock**.
- Mock implementation of the backend to allow for parallel
  development

`ant-design` `apexcharts` `axios` `css/sass` `cra` `cypress` `enzyme` `git`
`github` `html` `jest` `json-schema` `jsonata` `nodejs` `openapi`
`react-diagrams` `react-redux` `react-router` `react-query` `reactjs` `redux`
`redux-toolkit` `typescript` `websocket` `wiremock`

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**.

`angular` `cypress` `typescript` `wiremock`

EVS Broadcast Equipment   03/2018 - 12/2018

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

`cucumber` `cypress` `electron` `node-ffi` `node-gyp` `nodejs` `react-redux`
`reactjs` `redux` `redux-saga` `redux-thunk` `typescript` `webpack`

EVS Broadcast Equipment   11/2017 - 02/2018

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-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, **AngularJS** and **Angular** of features
  for the Base e-commerce website

`angular` `angularjs` `cucumber` `hibernate` `html` `javascript` `junit`
`maven` `oracle`

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
- 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`

Takeeateasy.be
10/2015 - 07/2016

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 **AWS** (S3, RDS, Elastic Beanstalk)

`java` `javascript` `spring boot` `hibernate` `aws` `ios` `cloud` `angularjs` `typescript` `swift` `liquibase`

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.

`angularjs` `cxf` `hibernate` `highcharts` `java` `java-ee` `javascript` `jboss` `jquery` `oracle` `spring` `websphere` `wicket` `liquibase`

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 **Java**, **Spring**, and **Hibernate**, implemented workflows. Utilized technologies such as Wicket, Jasper Reports, JBoss, Oracle, Ant, and SVN within a Waterfall methodology framework.

`java` `spring` `hibernate` `wicket` `jasper-reports` `jboss` `oracle` `ant` `svn`

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.

`java` `spring` `hibernate` `jee` `wicket` `mobile` `postgresql` `jboss` `activemq`

Newtec Cy
08/2003 - 09/2006

Senior Software Developer

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

`j2ee` `java` `linux` `mysql` `hibernate` `spring` `soap` `jax-rpc` `xml-rpc` `jboss`

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 **C++** and **Python**, the administrator part is a web site written in **J2EE**.

`c/c++` `python` `corba` `java` `j2ee` `jakarta` `struts` `hibernate` `linux` `tomcat` `jboss` `postgresql` `python`

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 **CLS Bank** system, ensuring cross-platform compatibility across Windows NT and **AIX**. Led the design and enhancement of a complex **MFC/STL** application and a **C++** API. Mentored a team of 6, improved code quality, provided **AIX** support, and developed a **Java** based system monitoring tool.

`windows` `nt` `unix` `aix` `c++` `mfc` `stl` `rational rose` `java` `xml` `xslt` `xml-rpc`

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 **C**, **C++**, **Java** and **Python** across **Windows**, **UNIX** and **Linux** 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.

`c` `c++` `corba` `forte` `gnu` `hp-ux` `java` `jsp` `linux` `mysql` `oracle` `python` `solaris` `sql server` `uml` `win32` `windows nt` `wml` `xwindows`

Education

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