

Emmanuel Breton-Belz

FULLSTACK WEB ENGINEER · SENIOR SOFTWARE ENGINEER

Vire Normandie

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Senior Software Engineer with 8+ years of experience in Fullstack development (Java, Kotlin, Rust, Flutter). Passionate about building robust web platforms and exploring AI/NLP integrations. Founder of Radicelle, focusing on efficient and safe web development.

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 Giberville - 14730

Tenable Inc. – Senior Backend Software Engineer

July 2022 – Present

Remote

- Identity Vulnerability Management and Tenable One development.
- Developed REST endpoints using Guice.
- Built SQL-backed dashboards with data analysis on Snowflake.
- Focused on endpoint securitization and optimization.
- Implemented NLP features using Gemini calls.

Radicelle – Founder & Full stack developer

December 2020 – Present

Remote

- Founded Radicelle a series of web platforms for “neo rural” agricultural distribution.
- Developed Chronoxus (radicelle.github.io/chronoxus), a time-management and calendar application built with the Dioxus 0.6.0 framework and Rust.
- Reworked the main application using Flutter for multi-platform support.
- Stack: Rust (Dioxus), Flutter, ReactJS (Material-UI), KMongo (Mongo Atlas), Ktor (REST APIs), KMP.
- Currently building a web stack entirely in Rust for my personal projects

Eurecia – Full stack Web developer

October 2018 – December 2020

Toulouse

- Maintained Java over Struts + JSP legacy eurecia.com platform code.
- Developed new features using REST API with Java and Kotlin (including spec challenging).
- Developed VueJS components calling REST APIs and bound them to the legacy JSP struts architecture.
- Used Spring annotations and MariaDB (plain SQL and JPA) for production-grade implementation and optimization.

Artal Technologies – Full stack Eclipse RCP Development

July 2017 – September 2018

Toulouse

- Software development for Airbus model simulation process: Creation of front-end components using Nebula Nattables and Sirius Plugin for instance.
- Participation in the migration from CDO to Hibernate persistence framework.
- Creation and optimization of JPA queries to retrieve data in back-end.
- Strong knowledge in modular development.

Bosch – Full stack Eclipse RCP Development

November 2016 – April 2017

Abstatt

- Software development for automotive controller management and design: Front-end using JFace wizards to retrieve users need and persistence using SAX/DOM.
- Advanced version system of XSD schema using Eclipse built in features.

DIEM – Object detection

May – July 2015

Salerno

- Creation of object recognition using SURF feature detector with OpenCV.
- Programming in C++, and dealing with image loading, processing, feature extraction and feature enhancement for research purposes.

SCHOLAR EXPERIENCE

UNISA – Vision cup

June 2016

Salerno

- Competition for artificial vision course. Teams of three building software guiding Nao robot through a visually marked path and classify objects along the path. GitHub link

ENSICAEN - IUT – Website development

2015

Caen

- Website development lab using J2EE.
- Carpooling website development using HTML/PHP and MySQL database.

EDUCATION

UNISA Ingeneria – Master's degree in Computer sciences

2015 – 2017

Salerno

ENSICAEN – Engineer diploma in Informatics, image

2013 – 2017

Caen

IUT – Technical degree in Informatics, image

2011 – 2013

Caen

COMMUNICATION SKILLS

French (Native)



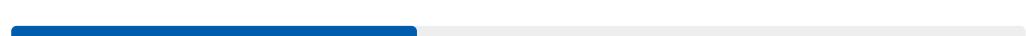
English (TOIEC 820, Flu-
ent)



Italian (Fluent)



German (B1)



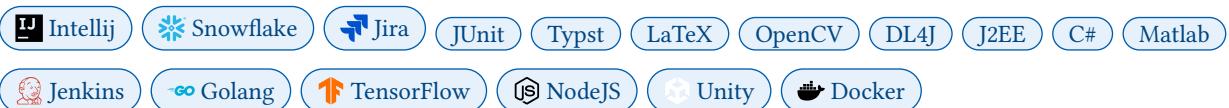
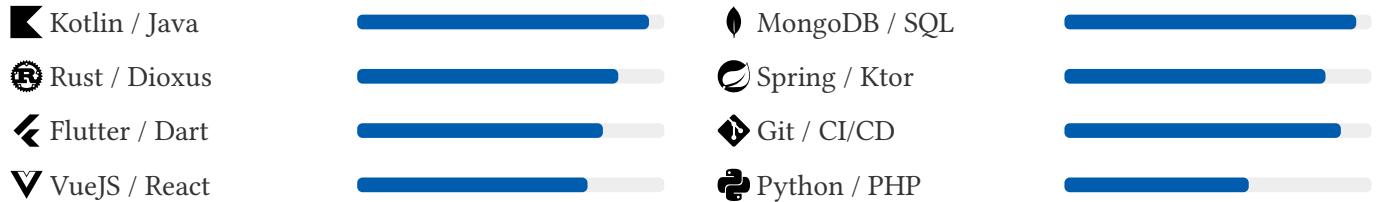
AI SKILLS

- VS Code Copilot: Professional usage (prompts, agents, modes)

- Gemini: Gemini and Gemini Gems

- NLP & Prompt Engineering: Professional development of prompts in production at Tenable with Gemini for NLP

SOFTWARE SKILLS



HOBBIES

Reading

Medium digest, Deep learning

Interests

Sciences, Agriculture, Japanese culture

Sports

Trail running, Cycling, Monofin swimming