

Bilal Belli

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Portfolio : bilalbelli.tech

EXPERIENCE

Java / Spring Boot Developer

Berger-Levrault - 6 months, 2025 - Toulouse, France

- Developed tools to migrate the data serialization format from JSON to Protobuf in Spring Boot REST APIs.
- Led the migration of the WeGF internal platform (Spring Boot, Angular) to use gRPC.
- Achieved up to 82% faster loading times in the WeGF application, validated through unit tests.

Python Developer

Pradeo - 9 months, 2024 - Montpellier, France

- Developed a tool for detecting malicious behaviors in iOS applications. ([link](#))
- Designed a decompiler to reverse engineering iOS applications binary file.
- Automated algorithms for inter-procedural and intra-procedural static analysis (Taint analysis).
- Wrote a scientific paper updating the state-of-the-art on malware detection methods.

Web Developer (Node.js, HTML, Bootstrap, MySQL)

AlgeriaPartners - 3 months, 2022 - Algiers, Algeria

- Delivered a web application to manage company human resources. ([link](#))
- Designed the database schema, Implemented functional requirements and deployed the app on Google Cloud.

PROJECTS / ACTIVITIES

NetFilter - Chrome Extension (Javascript, HTML)

- Security tool that blocks malicious websites while browsing, based on an updated threat database.

Trendly - Tech Trends Website (Node.js, VueJS)

- Integrated, filtered, and ranked results from multiple APIs to identify trending tech topics.

MediaPlayer - Web Application (Node.js, Bootstrap, HTML)

- Tool for digital ad banners that allows displaying media elements with precise timing and order.

FilesConv - Productivity Desktop Application (Python)

- Integrated multiple APIs to convert various file formats, including support for processing multiple files at once.

Freelance - Online Store (Flask, Bootstrap, MySQL)

- Developed the UI, backend functionalities, and integrated Stripe payment API.

IT Security Mentor - Shellmates Club

- Introduced the field of IT security to new club members during 2021.

SKILLS

- ◇ Python, Java, C, JavaScript, HTML, CSS, SQL
- ◇ Node.js, Spring Boot, Angular, Bootstrap, Electron, Flask
- ◇ SQL Server, OracleDB, PostgreSQL, MySQL, MongoDB, Firebase
- ◇ Linux (shell, Ubuntu, Debian, RedHat), DevOps CI/CD (Git, Jira, Jenkins, Docker)

EDUCATION

Master's Degree in Computer Science, Software Engineering Track
University of Montpellier

Montpellier, France
2024 – 2025

Engineering Degree in Computer Science, Computer Systems Track
Higher School of Computer Science (ESI)

Algiers, Algeria
2019 – 2024