Bilal Belli

Address : Toulouse, France

Mobile : +33 7 48 24 30 64

Email : bilal.belli@etu.umontpellier.fr

LinkedIn : linkedin.com/in/belli-bilal

Github : github.com/Bilal-Belli

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 microservices platform (Spring Boot, Angular) to use gRPC.
- Achieved up to 82% faster loading times in the WeGF application, validated through performance tests.

Software Engineer (Python)

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).
- Conducted unit, integration, functional, and technical tests, achieving high software reliability.
- Wrote a scientific paper updating the state of the art in malware detection techniques.

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

AlgeriaPartners - 3 months, 2022 - Algiers, Algeria

- Delivered a web application to manage company human resources hierarchy. (link)
- Designed the web application prototype and UI/UX interfaces in Figma.
- Designed the database schema, Implemented functional requirements and deployed the app on Google Cloud.

EDUCATION

Master's Degree in Computer Science, Software Engineering University of Montpellier	Montpellier, France 2024 – 2025
Engineering Degree in Computer Science, Computer Systems Engineering Engineering School of Computer Science	Algiers, Algeria 2019 – 2024

SKILLS

- ◇ Python, Java, Php, C++, JavaScript, HTML, CSS, Node.js, Spring Boot, Angular, Bootstrap, Flask
- ◇ SQL Server, Oracle DB, PostgreSQL, MySQL, NoSQL (Mongo DB, Firebase)
- ◇ DevOps CI/CD (Git, Jira, Jenkins, Docker, Ansible), Linux (shell, Ubuntu, Redhat), SonarQube

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, Angular, PostgreSQL)

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

IT Security Mentor - Shellmates Club