Bilal Belli

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Profile

Computer Systems Engineer and Master's student in Software Engineering at the University of Montpellier, with a strong interest in web development. Currently seeking a fixed-term or permanent position, either on-site or in a hybrid format, that matches my experience and skills.

Experience

Pradeo & LIRMM   Montpellier, France
Final Year Graduation Project   *Sep. 2023 – Sep. 2024*

- Developed a tool for detecting malicious behavior in iOS applications from binary code.
- Implemented a decompiler for binary Mach-O files, which involved developing decompilation algorithms and proposing an intermediate representation.
- Utilized Python for development, Tkinter for the GUI, Otool for disassembling, and Radare2 for binary analysis.

Algeria Partners   Algiers, Algeria
Full Stack Web Developer   *Aug. 2022 – Oct. 2022*

- Developed a web application for the Human Resources department's information system.
- Utilized NodeJs, ExpressJs, and MySQL for the backend. HTML5 and Bootstrap for the frontend.

Education

University of Montpellier   Montpellier, France
Master of Science (M.S.), Software Engineering   *Sep. 2024 – July 2025*

Higher National School of Computer Science   Algiers, Algeria
Master of Science (M.S.), Computer Systems Engineering   *Sep. 2021 – July 2024*
Bachelor of Science (B.S.), Computer Science   *Sep. 2019 – July 2021*

Skills

Languages : Python, Java, C, SQL, JavaScript, HTML, CSS
Framework / Tools : NodeJs, ReactJs, ElectronJS, Flask, Bootstrap, Tailwind, Bulma, Git, Docker
Databases : SQLite, MySQL, MongoDB, Oracle, Firebase

Projects

Housing distribution platform (HTML, CSS, Bootstrap, Javascript)

- Contributed as a front-end developer to designing the graphical user interface, focusing on UI and UX.

Implementation of a Content Delivery Network

- Simulated the network infrastructure using GNS3 and multiple virtual machines for servers, including cache servers, origin server, backup server, and NAS server.
- Used Nginx as a reverse proxy, Varnish for caching, and Bind9 DNS as a DNS service.
- Created a basic web application using Flask, and deployed it on an Apache2 web server.

Trending Platform (Node.js, Vue.js, Tailwind CSS)

- Aimed to help users stay up to date with the most popular repositories, tech news, new tips, and more.
- Integrated multiple APIs from popular tech websites.