




Riadh KARCHOUD

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Scientific Research Portfolio:



Professional experience

IN Groupe, **R&D and Innovation Engineer**, (01/09/19– Now)

- Studying existing technologies and comparing innovative solutions in order to meet objectives and solve problems (*Kotlin, Android, AR, Facial Reco*)
- Developing POCs which illustrate the needed solutions and provide the basis for moving to commercial development of the solution.

BNP Paribas, **Full Stack Engineer** (01/02/19 –01/09/19)

- Working on improving an existing web application used by real estate brokers to search, manage and send available offers on the market by migrating the front-end of the application from *Angular 5* to *7*.
- Adapting the back-end (*Java, Spring MVC, Hibernate*), database (*Postgres*) and web services (*REST*) to handle the newly added features.

Vinci-Energies, **Mobile solutions Engineer** (15/01/18 –15/01/19)

- Modeling, coding, testing and delivering the CityZen Android application which helps users find and pay parking.
- Manage the coordination of the work with the other entities (companies) that develop the other instances of the solution (*Web, iOS, Hardware*). Write and validate the functional test scenarios for these entities.

UPV/EHU & LIUPPA/IUT, **R&D Engineer** (01/09/14 – 31/11/17)

- Guiding my thesis project by developing technical and scientific solutions to the problems encountered in the theme of context aware smart-applications (*Java*). The prototype demo is available [here](#).

CRISAL & LIUPPA/IUT, **Intern Engineer** (01/03/14 – 01/10/14)


- Create a graphical editor (*web*) and a built-in java code generator as an Eclipse plugin to enable the modeling, generation and execution of distributed applications based on mobile software components.



Education

- **2017: [Phd in computer science]** Double diploma from both the University of Pau and Adour Counties (UPPA) and the University of Basque Countries (UPV).
- **2014: [Software engineering diploma]** National Institute of Applied Science and Technologies (INSAT).
- **2009: [Baccalaureate in Computer Science]** Said Bou Bakker High School.

Languages

- Arabic : Mother tongue
- French: Bi lingual
- English: Certified  CAE/C1 (198/210)



Skills and tools

- Android/iOS/Xamarin, Angular, NodeJS, Ionic
- Kotlin/Java/C#/C++/SWIFT, JS, TS
- HTML/PHP/CSS
- SQL, Postgres, Oracle, noSQL
- SCRUM (Trello, Git, JIRA, Confluence, Slack, Jenkins).
- Mantis, JUnit, Mockito, Espresso, UIAutomator, Log4J, TDD
- Android Studio, IntelliJ, Eclipse, VS Code, Visual Studio .Net, Maven, Graddle, Postman, DBeaver, Apache Tomcat



References

- Philippe Roose, +33 0681826160 philippe.roose@gmail.com
- Arantza Illarramendi, a.illarramendi@ehu.eus
- Bruno Deregnaucourt, +33761419530