

Ali BOUGARNE

Profile

I am a proactive software engineer with strong expertise in full-stack development, specializing in Java and JavaScript. I have solid experience building backend systems using Spring Boot and Node.js, with a focus on scalable and maintainable architectures.

On the frontend, I have hands-on experience with Angular, React.js, and Vue.js, with a strong focus on building responsive and user-friendly applications with good UI/UX.

I have worked in Agile environments and am comfortable collaborating within cross-functional teams using Scrum methodologies. I am also passionate about clean code, software design principles, and continuously improving development practices.

Technological Knowledge

- Java
- JavaScript, Typescript
- HTML, CSS, Bootstrap, Tailwind
- UI/UX
- Spring Boot, Spring Cloud, Hibernate, Spring data, Spring AI
- Keycloak
- maven, Gradle
- Npm, Yarn
- JSF, Primefaces
- Mockito, JUnit
- Jest, Karma/Jasmine, Vitest
- React JS, Material UI, AntDesign
- Express JS, Nest JS, Type ORM
- Angular, Angular Material
- Vue JS, Quasar framework, Vuetify
- Vuex, Redux
- MySQL, SQL SERVER, PostgreSQL, DB2, Oracle
- MongoDB, Mongoose
- JIRA Software, Confluence
- Trello
- GIT, SVN
- RESTful APIs
- UML
- Windows, Linux
- Docker, Podman
- Microservices, Openshift
- Rabbit MQ
- Kafka
- Gitlab CI/CD, Jenkins, Tekton
- SonarQube
- IntelliJ Idea, VS Code
- GitHub, GitLab, Bitbucket
- TDD/DDD

Experience

Sopra Steria – Eurocontrol, 11/2024 – 05/2026 , Full stack Spring boot/React Developer

▸ **Flow-application:**

- Contributing to the development of a critical European aviation flow management system, ensuring high availability and reliability
- Designing and implementing backend microservices using **Spring Boot** and **MongoDb**
- Developing and maintaining modern frontend features using **React**, improving usability and performance of operational interfaces.
- Building and integrating **RESTful APIs** to support complex business workflows.
- Working with **RabbitMQ** for asynchronous communication between services.
- Investigating and resolving production issues, ensuring system stability in a high-impact environment.
- Writing unit and integration tests (**JUnit**, **Mockito**, **Jest**) to maintain high code quality.
- Actively participating in **Agile/Scrum ceremonies**, code reviews, and technical discussions.

Full stack development using : Spring boot, MongoDB, Gradle, JUnit, Mockito, React, Redux, Vitest, Jest, Open Api, Rabbit MQ, Microservices, Keycloak, Git/Bitbucket, Jenkins, Scrum, Jira, Confluence, TDD.

GENESIS CONSULT – SPF FINANCES, 06/2022 – 11/2024, Full stack Java/Angular Developer

▸ **Fin-Prof2:** it is an application that manages declarations on wage deductions.

- Functions: Creation of Backend features, Consumption of endpoints maintaining the application

As a Senior Java/JavaScript Developer, I contributed to a large Agile team in developing microservice applications using Spring Boot and Angular. My responsibilities included implementing RESTful APIs, creating comprehensive documentation, conducting testing, applying design principles to front-end applications, and providing maintenance and support for both production and acceptance environments. I also played a key role in ensuring high code quality throughout the development process.

Full stack development using : Spring boot, Hibernate, JPA, DB2, maven, Flyway Migration, JUnit, Mockito, Angular, Bootstrap, Angular material, Karma, Jasmine, Open Api, Rabbit MQ, Microservices, Git/Gitlab, Scrum, Jira, Confluence

GENESIS CONSULT – SPF FINANCES, 01/2020 – 06/2022, Full stack Java/Angular Developer,

▸ **BTM2** is a payment management program to be carried out by the FPS, the project is made up of three parts:

- **BTM2-CODA** is a micro-service that manages the receipt of FPS Finance account statements from Bpost.
- **BTM2-PAY**, another micro-service that retrieves the payments to be made by the FPS Finances.
- **BTM2-INSTAPY** is a micro-service that receives instant payments from citizens and saves them in a database.

Full stack development using: Spring boot/Spring Cloud, Hibernate, JPA, DB2, maven, Flyway Migration, JUnit, Mockito, Angular, Bootstrap, Angular material, Karma, Jasmine, Open Api, Rabbit MQ, Microservices, Git/Gitlab, Scrum, Jira, Confluence

YASSIR, 11/2018 – 01/2020, Full stack Developer:

- **Wallet:** a Digital wallet for Yassir clients , interconnected with other services of the company (Food, Marketplace),

- **Vouchers, Fidelity:** a system to retain customers by giving them points that can be consumed via wallet or other services,
- **Dashboards:** for managing and reporting services
- **Users management Systems** (Roles and permissions): for Dashboards Functions: Development, testing and design of new applications Creation of Backend features, Consumption of endpoints (ReactJs) Creation of functional documentation

As a Senior Full Stack Developer, in a large Agile team , I specialize in leveraging ReactJS and NodeJS, alongside Spring Boot and Material UI, to craft dynamic and visually compelling user interfaces and RESTful APIs within a microservices architecture. My role entails transforming design specifications into responsive, functional applications to ensure an optimal user experience across diverse devices. Additionally, I implement and document API features to enhance functionality and usability.

Technologies: Microservices, Spring Boot, Spring Data, Jpa, Hibernate, npm, MERN Stack (MongoDb, Express Js, React Js, Node Js), Jest, TypeScript, Redux, TypeORM, Mongoose, Postgresql, Postman, Docker, GitHub, SCRUM/Clickup

CEVITAL GROUP, 12/2016 – 11/2018, Spring Boot/Vue Js Developer,

- **B2B Application, Brandt France:** The business-to-business application for the major retailers of Brandt France company.
- **Management of import/export records**, Finance Department, Industry Division

As a Full Stack Developer, I contributed to an Agile team by developing a monolithic application utilizing Spring Boot and Vue.js. My responsibilities included structuring databases, implementing RESTful APIs, conducting thorough documentation and testing, and transforming design specifications into responsive and functional applications. I ensured an optimal user experience across a variety of devices.

Technologies:: Spring boot/Spring Cloud, Java, Hibernate, Sql server, Gradle/Maven, Flyway Migration, VueJS + TypeScript, Vuex, Vuetify , Scrum and Trello for project management

AIR ALGERIE, 12/2013 – 12/2016, Java Developer,

- **Management of internal employee applications,**
- **Training management system,**
- **Electronic correspondence management system,**
- **Appliance purchase management system,**
- **Payroll management system for the commercial flight crew Roles,**

back-end development with JSF + Primefaces, JPA (eclipselink), EJB, SVN, Bootstrap, SQL SERVER

Education

Master degree, Computer Science, Distributed Information Systems
Boumerdes University, Algeria

Bachelor degree, Computer science-electronics
Boumerdes University, Algeria

Baccalaureate, Exact Sciences
New Kadiria High School, Kadiria, Bouira, Algeria

Languages

- French, Fluent
- English, Professional working proficiency

Portfolio, Profiles

- [Github](https://github.com/alibougarne): <https://github.com/alibougarne>
- [LinkedIn](https://www.linkedin.com/in/ali-bougarne-572470117/): <https://www.linkedin.com/in/ali-bougarne-572470117/>
- [Portfolio](https://alibougarne.github.io/): <https://alibougarne.github.io/> (NestJs + quasar framework)

Project Demo

- [SmartHire-Ai](#): (Spring boot, Angular, Postgres, Openshift, Github webhooks, Tekton)
User: recruiter@techcorp.com
Password: recruiter123
Or register for new candidates
- [SmartHire-Ai dashboard](#): (NestJs, Angular, Postgres, Openshift, Github webhooks, Tekton)

Interest and activities

- Reading
- Video games
- Japanese manga
- Sports