BAPTISTE BEAUFRERE

ANGULAR ENGINEER, FULL REMOTE ONLY

Front-end engineer specialized in Angular who likes to evolve in an agile, serious and human environment. With more than three years of experience with Angular and a scientific background in environmental engineering. A little geek, a little green. Particularly interested in a company active in innovation and digital transformation to meet technological, planetary and climatic challenges.

SOFT SKILLS

`Team work` `Problem-solving` `Time management` `Communication`

✉ baptiste.beaufrere.job@gmail.com (first contact by email)
💬 English, French, Spanish

TECHNICAL SKILLS

`JavaScript` `Angular` `Ionic` `Capacitor` `RxJS` `NgRX` `Nx` `Jest` `Cypress`

`Java/Spring` `Spring Boot` `Spring Cloud` `Firebase` `Firebase Cloud Functions` `Node.js`

`SQL` `PostgreSQL` `SQL Server` `Firestore` `Realtime Database` `Firebase Storage`

`Git` `Jenkins` `Travis` `Docker` `Kubernetes` `Maven` `npm`

◆ **Elum Energy, Paris, Remote**
Front-end developper, Angular | November 2022 - Present
Context:
Within a diverse and specialized team of 9 members (1 Product Owner; 2 Lead Devs, 3 Devs Back, 2 Devs Front, 1 DevOps), Development of eConf, the ePowerControl User Interface. ePowerControl is an Energy Management System (EMS) dedicated to monitoring, controlling, and optimizing the production and distribution of energy, primarily for solar energy systems. eConf provides an interactive dashboard for real-time monitoring, energy resource allocation, and configuring the control strategies. In addition, the platform also offers predictive capabilities to optimize renewable energy usage, thus driving the transition towards a more sustainable future.

Mission:
o Spearheading front-end development
o Unit testing and Integration testing
o Going into production
o Technical support, hotfix, and improvement in agile mode
o Maintaining an active technological watch

- Technical highlights:
  o Architecting and implementing a clean state management using NgRx and RxJS
  o Migrating from spaghetti modular architecture to monorepo architecture
  o Configuring and setting-up Unit/Integration Tests + e2e Tests within the CI pipeline
  o Continuously updating the tech stack, migrating from Angular 13 to Angular 16
  o Designing and implementing a dynamic interface rendering engine: Each ePowerControl product's available features are outlined in a JSON file, allowing the control configuration panel and interactive dashboard to be dynamically generated—this significantly reduced front-end development costs

  Technical environment:
  o TypeScript, Angular 13-16, Angular Material, Monorepo Architecture, Reactive Programming, Nx, RxJS, NgRx
  o Jest, Cypress
  o Git, Gitlab
  o Methodology: Agile SCRUM (agile ceremonies, daily SCRUM, demo each week 3 weeks sprints)

- **MAIF, Niort, Remote**
  Back-end engineer, Java, Spring Boot| June 2022 - November 2022
  Context:
  Within a squad of 8 people (1 Product Owner, 1 SCRUM Master; 1 Lead Dev, 4 Developers, 1 DevOps, 1 Tester), Development of the back-end for the MAIF mobile app. The functional base includes an interactive and personalized news feed, a bank account aggregator, as well as access to MAIF services: download a certificate, declare a claim, request a quote, and open a subscription.

  Mission:
  o Development of the back-end
  o Unit testing and Integration testing
  o Going into production
  o Technical support, patch, and improvement in agile mode
  o Drafting of technical and functional documentation

  Technical environment:
  o Java 11, Kotlin, Spring, Spring Boot, Spring Cloud, Spring Security, Webflux, Kafka, JUnit 5
  o Micro-service architecture
  o Hibernate, JPA, MongoDB, PostgreSQL
  o Jira, Teams
  o Methodology: Agile SCRUM (demo each sprint, 3 weeks sprints) in Spotify model organization

- **OTCFin, New York, Remote**
  Software Enginner, Angular/Spring Cloud | Sept 2020 - May 2022
  Context:
  Within a multidisciplinary and worldwide team of 6 people (1 Product Owner, 1 Lead Dev, 4 Developers), Development of SaaS solutions for financial data processing, reporting, and risk analysis. A solution takes the form of an interactive financial dashboard, with the generation and export of financial reports in the form of pdf, word, and excel to generally respond to new financial regulations which require asset managers to respect certain risk thresholds and limit and publish the environmental impacts of financial products.

  Mission:
  Participate in all phases of the life of the project:
  o Solution design
  - Study and analysis of the need
  - Regulatory and financial monitoring
  - Benchmarking
  - Reverse engineering of the existing
  - Brainstorming with the PO
  - Collection and writing of the US
  - Wireframing
  - Prototyping
  o Development of the POC
  o Testing
  o Going into production
  o Technical support, patch, and improvement in agile mode
  o Drafting of technical and functional documentation

  Projects:
  o "Workflow tool" Platform on which all the reporting solutions sold are accessible: User management and Management of access to reports, Wizard for uploading financial inputs, Data quality check of inputs, Management of Upload sessions and versioning.
  o "SFDR" Solution (Sustainable Finance Disclosure Regulation): Dashboard with tables of compliance of financial products within the meaning of the SFDR. For the client MacFin (www.macfin-group.net)
  o "Climate Risks" Solution: Calculation, integration, and visualization of climate risks (physical risks impacting the value of investments linked to climate change: floods, droughts, cyclones; transition risks linked to changes in regulations with regard to gas emissions greenhouse) to financial KPIs. For the client DEA CAPITAL (www.deacapital.com)

  Technical environment:
  o TypeScript, Angular 11, Angular Material, Modular Architecture, RxJS
  o Java 11, Spring, Spring Boot, Spring Cloud, Spring Security, JUnit 5
  o Hibernate, UML, JPA
  o Git Azure DevOps
  o SQL Server
  o Jira, Slack, Teams, Skype
  o Methodology: Agile SCRUM (agile ceremonies, daily SCRUM, demo each week 2 weeks sprints)

PROGRAMMING PROJECTS

2021 - 2022 **Home services marketplace**
Firebase, Node.js, Angular, Ionic
Projects:
Marketplace-like cross-platform mobile application for service providers
o Orders workflow, VoIP, Geolocation
Marketplace-like cross-platform mobile application for customers
o Creation of orders, Online payment, VoIP
Back-office for orders management, payments, and complaints

Technical environment:
o JavaScript, TypeScript, Angular 12, Ionic 6, Capacitor, Angular Material, Library architecture, Modular Architecture, RxJS, ESLint, Jasmine, Cypress
o Firebase, Realtime Database, Firestore, Firebase Cloud Functions, Firebase Storage
o Git, Bitbucket, Jira

2020 - 2021 **Habit tracker**
Spring Boot, Angular, Travis CI
Features:
o Create a habit and report each completion
o See a daily feed buzz of all habits to complete
o Visualize progression

Technical environment:
o JavaScript, TypeScript, Angular 11, Angular Material, Modular Architecture, RxJS
o Java 11, Spring Boot
o Hibernate, JPA, PostgreSQL
o Git, Bitbucket, Travis CI

EDUCATION

2020 **Full stack developer Spring/Angular DevOps**
Diginamic, Nantes, France
Development and maintenance of Java/Spring and JavaScript/Angular applications in a DevOps context

2018 - 2019 **Back-end developer PHP/Symfony**
OpenClassroom, Self-teaching
Learning focused on practice, basics of web programming, development tools, PHP / Symfony

2016 - 2019 **Environmental Engineer**
ENSEGID, Bordeaux, France
Environmental, Geological and Sustainable Development Engineering

2014 - 2016 **CPGE BCPST**
Lycée Faidherbe, Lille, France
Biology, Chemistry, Physics, Earth Science