RESUME

André Masson

Mobile & Fullstack Java/Kotlin/Dart/React/Node

CAREER PROFILE

Mr. Masson has 15 years of experience working on large-scale software design projects for financial, government, insurance organizations and has developed mobile apps and BE REST Api for many web applications using Flutter / React-Native / JAVA / Kotlin / PHP technologies.

- Strong talent in requirement and functional analysis (OOA, Use Case Study, UML)
- Software engineer cumulating many years of experience in programming Dart / JAVA / Kotlin / Groovy / SQL / Angular / React Native / Flutter
- Technologia Teacher: Spring Boot, Web Services
- Advanced knowledge of N-Tier distributed application and SPA (Single Page Apps)
- Excellent collaborator and ability to communicate with users and functional experts
- In-dept knowledge of application development and software engineering (analysis, software configuration, test, quality, coding, implementation, process and maintenance, etc)
- Strong interest in business process improvement and reengineering
- French and English communication (speaking / writing)

Open Source Projects

Guess the text   *Since 2021*

As part of this open source project, he is creating an application deployable on several platforms: Linux, Android, iOS, Webapp, and soon MacBook and Windows. The application is an evolving educational game. The goal is to establish native development standards applied to a real world application deployed on production via the Flutter framework.

- https://github.com/amwebexpert/guess_the_text
- app technical architecture, solution design and active development
- screen and animation design, theme, typography, dark mode, preferences, local persistence
- automated unit and behavioral tests, end to end tests, code coverage report
- evolutive structure of the source code, choice of open source libraries
- integration of Rest and/or GraphQL APIs
- dependencies injections pattern (IoC) for the whole application
- implementation of best practices, development guide, code reviews, training sessions

Technologies FE: Flutter, Dart, MobX, Sembast, SQFlite, GetIt, Freezed

Technologies BE : Node.js, NestJS, Typescript (REST Api deployed on Heroku)

WebToolbox   *Since 2020*

Open source single page app project runnning in Electron but also deployable as a simple web application. Collection of developer tools and programming utilities

- https://github.com/amwebexpert/etoolbox
- app technical architecture, solution design and active development
- screen design, theme, typography, dark mode, preferences, local persistence
- Use cases : parsing JWT token, JSON to programming language, QR code generation, etc.

Technologies FE: React, Typescript, Material-UI, Redux, WebSockets, Node.js

WORK EXPERIENCE

Voonyx	***Senior Fullstack Engineer***
Mandate at Beneva (La Capitale & SSQ)	***Since March 2021***

As a full-stack engineer, participate in development and architecture of the Beneva native mobile application using OAuth2 security pattern and *material design* principles for the user interface.

- POC: Flutter, React Native, Auth0, Firebase, React Native & WebView integration
- Design UI (visual components)

Environement: React 17.x, React Native, Paper, React Navigation, React Query, Axios, Typescript, Node.js, NestJS, GraphQL, Firebase: Authentication and Analytics, POC using Flutter and Auth0, Git, Agile environment with scrums, standups and Jira

Upwave	***Senior Software Engineer***
	Fev. 2020 – March 2021

As a full-stack engineer, participate in development of a React/Redux based data-visualization dashboard that customers use every day to guide how they spend their marketing budgets. Lots of cool, self-serve features that require robust technology.

- Desing/program new backend REST Json APIs
- Design UI visual components

Environnement : React, Redux, Redux-Saga, Typescript, Cypress, Cucumber, RTL, Jest, ChartJS, Material-UI, JEE, Groovy, Spring Boot 2.x, Spring Data, Spring Security, Spring Rest, Oauth2, IntelliJ IDE, Tomcat, Git, Flyway, Spock, WebClient, Hibernate, MySQL, Git, Docker, AWS, S3, DynamoDB, Gradle, Sendgrid, Slack integration, Flyway, Handlebar, Google Script

Desjardins	***Senior Software Engineer***
GRP et Orchestrateur FSDF	***January 2019 – January 2020***

As part of this mandate, he takes part in the design, architecture and development of RESTful applications (Spring ReST, micro services) with the SPA part (React, Angular) that make up the loan recovery management platform
- Design/program new web REST Json APIs
- Design UI visual components

Environment : React 16.x, Redux, Axios, TypeScript, Angular 8, @ngrx/store, Twitter Bootstrap, RxJS, JEE, Kotlin, Spring Boot 2.x, Spring Data, Spring Security, Spring Rest, Oauth2, IntelliJ IDE, Tomcat, Git, Flyway, jUnit 5, Maven, Pivotal Cloud Foundry, Concourse, Apache POI, Open PDF, H2, Hateoas, Git, BitBucket, Métho Agile, Swagger, Scrums, Jira

ActiVia Networks   *Senior Software Engineer*
Digital Menu Board   *October 2017 – October 2018*

As part of this mandate, he takes part in the development of RESTful applications (Spring ReST) that make up the platform for managing the menus displayed in shops and restaurants.

   • Design/program new web REST Json APIs

   • Design UI visual components

Environment : GWT, TypeScript, Angular 5.x, Twitter Bootstrap, RxJS, JEE, Spring 4.x, Spring Boot, Oauth2, IntelliJ IDE, Tomcat, Git, Liquibase, HTML5, CSS3, Servlet-API, jUnit, Easy-Mock, Maven, Team City, Méthodologie Agile, Scrums, Jira

ACCEO Solutions Inc.   *Team Lead & Senior Software Engineer*
Transphere platform   *October 2013 – October 2017*

In this Web-based project, Mr. Masson acted as the team lead and as a senior software engineer. Main activities include debugging, developing and design new features for a Spring + Jersey REST application. Agile context, Jira and Maven/Jenkins tools

- Team leader
- Desing/program new web REST Json APIs requested by product owner

Environment : TypeScript, Angular 4.x, RxJS, JEE, Spring IoC, Oauth2, Eclipse, Tomcat, SVN, JavaScript/jQuery, HTML5, CSS3, Servlet-API, Velocity, jUnit, Mockito, MyBatys, Maven, Jenkins, SoapUI, Apache CXF, JAXB 2.x, Agile Methodology, Scrums, Jira

Fédération des Caisses Desjardins du Québec   *Team lead, Senior Software Engineer*
bec   *February 2011 – November 2013*
Acquisitions de Fonds en ligne

Design and develop a solution allowing department to develop independently from AccesD application. Traditionnaly all applications have to be developed inside AccesD which is now too big and involve high development costs.

- Analyse and propose a solution to decouple department development from main AccesD application.The solution involve a new paradigm: Remote HTML5 Fragment which is simply based on HTTP protocol;
- Proof of concept between AccesD and a classic JEE remote application deployed on a simple Tomcat server;
- Design the generic struts action inside AccesD and the Servlet Filter on the remote application side;
- Design and develop Spring MVC 3 remote application

Environment: JEE, SOA, Apache Camel, JAX-WS, CXF, Spring-WS, Maven, WebLogic, SunOne-iPlanet, WebSphere Tomcat, Jetty, Eclipse, CSV, JavaScript, DOM, DHTML, CSS3, Servlet-API, Spring MVC, Velocity, Méthodologie Agile, Scrums, jQuery, Twitter Bootstrap, PIE.htc, jUnit, Mockito, JPA2, Hibernate, Agile methodology, Scrums, Jira

Hydro Québec   *Senior Software Engineer*

Diag Intranet Application   *April 2009 – January 2011*

In this Web-based project, Mr. Masson acted as a senior software programmer debugging, developing and design new features for an intranet Struts 1.x application. Agile context, Jira and Rally tools.

 • Fix bugs and crash of existing application
 • Desing/program new features requested by clients
 • Design and implement a Tag Library for rendering Excel as HTML5/Ajax for edition inside browser

Environment: JEE Server, Oracle Database, Struts 1.x, jBoss, LDAP Security, Eclipse, Subversion, Ant, Spring, Subversion (SVN), Apache POI, JSP, JSTL, TLD, jUnit, Mockito, JavaScript, XML, CSS3, jQuery.

Caisse de dépôt et de placement du Québec   *Senior Software Engineer*
Refonte Data1   *May 2008 – Mars 2009 (11 months)*

In this Web-based project, Mr. Masson acted as a senior software programmer developing a web inte-gration console and a Windows Concole for multiple existing in-house tools.

 • Design and implementation of the squeleton of the web console through Struts 2
 • Design and implementation of the squeleton of the Windows console through C# .NET
 • Implement the data files collect module
 • Design and implement technologies for Excel integration with existing Unix backend through VBA and Automated SSH Sesisons

Environment: C# .NET for client components, Microsoft SQL Server, JEE Application Server, Struts 2, Tomcat, Acegi Security with LDAP, Eclipse, CVS, Ant, Spring Framework, iBatis, JSP, Tiles, JSTL, TLD (Tag Libraries Definition), JavaScript, DOM, XML, DOM4J, CSS3, MySQL, jUnit, Mockito, TestNG.

Axa Assurances   *Senior Software Engineer*
Online Insurance Quotes and Policies   *July 2006 – June 2008 – 20 months*

In this Web-based project, Mr. Masson was a programmer analyst developing the client & policy search module, the automobile insurance coverage screen and the automated renewal process. Specific tasks included:

 • Program Proxy, JSP, JSTL, TLD for the client & policy search screen
 • Implement Proxy, JSP, JSTL, TLD for the insurance coverage screen module
 • Design and Implement services methods for automated renewal process for automobile policies

Environment: jBoss, BPEL, ESB ServiceMix, Maven, Eclipse, Subversion, Ant, Spring, Hibernate, iBatis, Quartz, JSP, JSTL, TLD (Tag Libraries Definition), JavaScript, DOM, XML, XHTML, CSS3, AS400, DB2, Agile Methodology, Scrums