



GAO Chenyang
Research & Development engineer
Java/JEE/Web Confirmed

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EDUCATION

École Polytech Montpellier (Ex. ISIM) ■ Engineer degree in Computer science & management	Montpellier, FRANCE 09/2010-07/2013
Université de Montpellier II ■ Master 2 specialized in Data, Knowledge and Natural Language	Montpellier, FRANCE 09/2013-08/2014
Capital University of Economics and Business, Information School ■ Bachelor, computer science & information system	Beijing , CHINA 09/2006-06/2010

PROFESSIONAL EXPERIENCE

Air France (AKKA I&S) Consultant IT engineer, Research & Development missions in luggage department	Valbonne 11/2014 –present
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SSPIRNG: Re-design & internalization of SSPIR Kiosk product (Scrum/Sprint)

- Business requirements analysis with MOA, in terms of internalize the SSPIR product, re-design the process of missing luggage declaration (AHL) existing on kiosk terminal: improvements on passenger identification, process simplification, automatic detection of missing/rushed luggage, security control on kiosk terminal etc.
- Directing/training technic for team developers, conception and construction of project from A to Z, including:
 - AngularJS UI architecture: technology choice, process design & modules separation, API integration , IE8 & IE11 compatibility, IER SDK (applet) integration with terminal physical materials (Boarding Pass scanner, printer, passport reader etc.)
 - Project construction: Maven, modules structure, batch & admin
 - Database modeling (for kiosk Admin, i18n, statistics..)
 - Kiosk performance diagnostic, installation & deployment configurations on DEV, UAT or QAL, PRD env
- User Story development for each Sprint (4 already), personally including:
 - Web UI modules: Identification, Flight, Luggage, Summary, AHL API, Customs & Pickup, Session, i18n etc.
 - IER sdk(applet) integration with physical materials: Boarding Pass & luggage tag lecture, magnetic card lecture, ticket receipt printing & kiosk session control
 - Backend (Spring MVC+Spring Data JPA+Batch):
 - Core business process implementation: automatic passenger identification via different ways: boarding pass, passport, Flying Blue, luggage tag number
 - Core business process implementation: flight detection, passenger personal info retrieval & luggage milestones (missing, Rush & RushOnboard)
 - API integration with « Bag Tracking API », « AHL API» and diverse web services such as : REPIND, TravelDB, ADSL
 - Kiosk terminal Logging, passenger behavior retrieval and statistics
 - Kiosk settings in admin module
- Agile method, Daily, Sprint review et Sprint refinement (weekly)
- Collaboration with QA team for automatic testing (Robot Framework, Python)

Technologies: AngularJS1.x, Java7/JEE, Spring MVC, Spring Data JPA, Logback (Log4j), Hibernate4, SOAP/JWS, Hermes/JMS, CUSS 1.3, dozer, Oracle, Maven, Git, SOAPUI, Tomcat, Eclipse, JIRA, Bamboo, HP Quality Center, Robot Framework

BAGSTORY/FMB: FMB (Follow My Bag) and Bag Recovery API for Call Center, Digital & Customers Care
Agile project BAGSTORY development (Scrum/Sprint)

- User story development in each Sprint (until end pilot phase & 1st Sprint post-pilot): UI development (WorldTracer module) with AngularJS, Boostrap. Backend development with Java/JEE (Spring4, Spring MVC, Spring Data JPA). AF SOAP web services integration such as TravelDB, REPIND, PAFI.
- Participation in Daily, Sprint review et Sprint refinement (JIRA)

Conception modeling, development, deployment, tests and documentation from A to Z of SOA module(Kanban)

- With IT architecture and MOA, study and re-design the process “management AHL, DPR, FWD, OHD, DLV” but also certain process (CFD) WorldTracer properly for Air France.
- Modeling of SOAP web services in UML with Eclipse (Papyrus UML)
- Development from A to Z of SOA module, who provides SOAP web services: management AHL, DPR, OHD, established over SITA WorldTracer new version WS HALv7 in Java/JEE (Spring3/Hibernate4). Certain functionalities are added or refined:
 - WorldTracer document local management, automatic/manual recovery of temporary files (PostgreSQL). PDF report generation and client email sending(iTextPDF, Queue/XMEDIA)
 - Refined interaction with central system BOB via different IATA messages (IBM MQ, JMS/Hermes). Refined logging system(logback)
 - JUnit testing and integration (“automatic”, Plan Bamboo Nightly)
- BSD redaction (business service documentation, in collaboration with MOA) and detailed SSD redaction(software specification documentation) of web services. Web service deployment on AF SOA Repository.
- “Kanban” mode project, following User Story between API et MOA team biweekly. Participation in meetings directly with SITA (American company) for items in WorldTracer
- Training & directing the newcomer et work together on different development subjects during 2 months. Skills transfer for following subjects on: DPR, OHD, FWD.

Coordination and BAG API integration

- Development et integration UI with BAG API (management AHL, DPR)
- TGD redaction for API team. Collaboration with MOA for UAT and Qualification.

Technologies: AngularJS1, Java7/JEE, Spring3/4, Spring MVC, Spring Data JPA, Logback (Log4j), Hibernate4, Papyrus UML, SOAP/JWS, Hermes/JMS, Dozer, Postgresql+Oracle, Maven, Git, SOAPUI, Tomcat, Eclipse, JIRA, Bamboo, HP Quality Center

LANGUAGE

English	■ ■ ■ ■
French	■ ■ ■ ■
Chinese	■ ■ ■ ■

SKILLS

Conception in Software Engineering
UML & Modeling
Relational Database
Algorithm & Design Pattern
Ontologies and Semantic Web

Tools & Software

Eclipse	■ ■ ■ ■
Git/SVN	■ ■ ■ ■
Tomcat	■ ■ ■ ■
WebSphere	■ ■ ■ ■
SOAPUI	■ ■ ■ ■

Programming

C	■ ■ ■ ■
Java	■ ■ ■ ■
JavaScript	■ ■ ■ ■
Objective-C	■ ■ ■ ■
HTML/CSS	■ ■ ■ ■
SQL	■ ■ ■ ■
XML	■ ■ ■ ■

Framework & method

AngularJS	■ ■ ■ ■
Bootstrap	■ ■ ■ ■
JQuery	■ ■ ■ ■
JSP/Struts2	■ ■ ■ ■
JUnit	■ ■ ■ ■
JMS/Queue/Hermes	■ ■ ■ ■
JAX-RS/Jersey/REST	■ ■ ■ ■
SOAP/JAX-WS	■ ■ ■ ■
Hibernate	■ ■ ■ ■
Spring	■ ■ ■ ■
Jena/RDFS/SPARQL	■ ■ ■ ■
Maven	■ ■ ■ ■

Database

Oracle	■ ■ ■ ■
MYSQL	■ ■ ■ ■
PostgreSQL	■ ■ ■ ■
MongoDB	■ ■ ■ ■

Operating System

Windows	■ ■ ■ ■
Linux/Mac	■ ■ ■ ■

TRAINING (Pro)

CUSS(IATA Common-Use Self-Service) and IER training, 2d
Air France, Valbonne
04/2017

Angular2/4 & Typescript, 3d
AKKA Technologies, Valbonne
03/2017

AngularJS & JavaScript, 5d
IOCEAN, Montpellier
04/2013

SSPIR3.9 + SSPIR NGK (Self-Service Kiosk) : Integration, deployment, project follow-up and maintenance of outsourcing project

As part of the NGK project (Next Generation Kiosk, outsourcing lot1 and lot2):

- Technical integration of releases/patch, adaptation and development with AF constraints.
- Release deployment for every environment (dev, rct, rc2, qal). CM(Go Live prod) on SM9 as “change coordinator”. Project follow-up and defects dispatching on HP Quality Center
- TGD redaction (Technical Guide Documentation) for software package BAGASSIST (module Deeplink)
- Development and update various AF modules/tools for kiosk(migration Web Service and module supervision, kiosk logging..). Product documentation on AF « Operation Guide »
- Assistance product manager, technical support on kiosk terminal behavior, such as installation, materials diagnostic, CUSS & IER Logs etc.
- Participation of different meetings among IT AF(KLM), MOA AF, SkyAssist, IBS and SITA

Technologies : CUSS 1.2/1.3, CLA, JSP/Servlet(Spring MVC), jQuery Mobile, IBM WebSphere, IER API, IATA CUSS, SOAP/JWS, JMS, SOAPUI, Oracle, HP Quality Center, WinSCP(putty), SM9

BAGSERV: Dev & maintenance on product for missing baggage prediction/detection

- Refactoring project UI, adaption with new graphical charter AF Betty. (AngularUI, Bootstrap, responsive PC et iPad)
- Development of new functionalities for product BAGSERV. Added new modules such as Call Center, administration and I18n (Angular Translate) under Java/JEE (Spring3, Hibernate4)
- Integration with SOAP service CRMPUSH. JMS messages migration from MSB V2 to V3.
- Technical support for AF MOA, documentation and international deployment support for Prague airport with BlueLink agents (compatibility IE 8/11)
- Technical & business rule functional support for KLM

Technologies : Java, Spring, Hibernate, Jersey/REST, JWS, AngularJS, Oracle, PL/SQL, Maven, Tomcat, SM9

Message simulator : Automated Java simulator development for IATA luggage message

- Development of a Java tool (JMS, JDBC, XML et XSD),which support retrieve, dispatch et send different IATA luggage messages(BSM, BPM, MVT, BMM, BNS, BCM..) to Air France middleware Mercury/Samotrace, configurable via file XML
- Test with technologies JUnit, SOAPUI, JMS and Hermes. Documentation et maintenance

Technologies : Java, JMS, Log4j, XML/XJC, JDBC, Oracle, Git, SOAPUI(Hermes)

DIVERSE

- CR for SILK (Product of relocation luggage in CDG KUBE), Refactoring Web service BOBSOA (ProvideBaggageTracking). Migration web service SSPIRSA, Migration Web Services SITA HAL, etc.
- Implementation of various business requirements, statistics (SQL) for product BAGASSIST, SSPIR or NGK (Kiosk Terminal)

Atos Worldline

Bezon, IDF | 03/2014 – end 08/2014

JEE/Web Developer intern. BI Dashborad development for “Connected Vehicles” of Michelin® Solution (6 month)

- Design and redaction of detailed specifications for new BI components « Dashboard/Supervision» of the platform(including vehicle identity card, TCU/VID activity tracking, platform history, vehicle/equipment diagnostic, platform statistic)
- Conception, development, tests and solution qualification under Java/JEE (Strus2, Spring, Hibernate, Maven, Junit...). Passed through different phases of development life-cycle(specification, development, qualification, production..)
- Development and integration with SOAP/REST multi-platform web services such as FMP, FAP, M2M, CBP..
- Followed et managed tasks on JIRA. Collaborative work with SVN.
- Technical and functional assistance for product team
- **Technologies:** Java/JEE, Struts2, Spring, Hibernate, Maven, jQuery, jqGrid, MySQL, Tomcat, Log4j, JUnit, JAX-RS, JAX-WS, SOAP, SOAPUI, OpenGL, RGraph, SVN, JIRA

IOCEAN

Montpellier | 09/2013- end 02/2014

Research & development engineer (CDD of 6 month)

- Continued AngularJS UI development for the new version of IOvision (SVN, AngularJS, JEE web service)
- Task planning & specifications, assistance to product team
- Part-time job(At the same time, I followed my 2nd Master diploma)

IOCEAN

Montpellier | 03/2013-09/2013

Research and development intern for a rich client EBP/CMS prototype (6 month)

- Study and construction for new AngularJS UI & API architecture for Business EBP “IOvision” (AngularJS, Grunt, Bower)
- Development from A-Z & Unit Testing of various modules under Framework AngularJS & Jasmine (Dashboard, Commercial, Third-party, Contract). Responsive design (+dev) for mobile and tablet
- Refactoring, migration and development of RESTful APIs (Jersey/JAX-RS)
- Agile method. Followed tasks on Redmine. Technical & functional support for IOvision team
- **Technologies:** AngularJS, AngularUI, Grunt, Bower, Java, Jersey/JAX-RS, BootStrap2 et 3, jQuery, Jasmine, SVN, Tomcat, Sybase, Maven, Redmine

Advanced Solution Accelerator

Montpellier | 11/2012-02/2013

Mobile developer, prototype construction for laboratory information system (End of studies project, 4 month)

- JavaScript, Ajax & plugins development with “PhoneGap” and “jQuery Mobile” (Android Tablet version)
- Study on customer requirements, specifications and comparison of various mobile technologies(Titanium, phoneGap, jQueryMobile, Hybrid, iOS, Android).
- Writing specification and technical report

Technologies: Java, JAX-RS, PhoneGap, JQueryMobile, HTML5,CSS

Sageby Pte Ltd

Singapore | 06/2012-09/2012

iOS Developer intern for a social network application (3 month)

- Objective-C development for iOS application “Pollaroid” for alpha test (Objective-C, CocoaTouch)
- Modeling for database and RESTful web service development (PHP Restful, SQL)
- **Technologies:** Objective-C, iOS5.1, XCode, PHP RESTful, phpMyAdmin, Apache, MYSQL