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

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EDUCATION

École Polytech Montpellier (Ex. ISIM)   Montpellier, FRANCE | 09/2010-07/2013
- **Engineer degree** in **Computer science & management**

Université de Montpellier II   Montpellier, FRANCE | 09/2013-08/2014
- **Master 2** specialized in **Data, Knowledge and Natural Language**

Capital University of Economics and Business, Information School   Beijing , CHINA| 09/2006-06/2010
- Bachelor, **computer science & information system**

PROFESSIONAL EXPERIENCE

Air France (AKKA I&S)   Valbonne | 11/2014 –present
Consultant IT engineer, Research & Development missions in luggage department

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.
- Technical guiding 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, QAL or PRD env
- User Story development for each Sprint (4 already), personally including (70%):
  - 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 methods: boarding pass, passport, Flying Blue, luggage tag number etc.
    - 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 AF 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 and 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
BAGSTORY project development (Agile/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 and 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 in 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, established over SITA WorldTracer new web service version HALv7 in Java/JEE (Spring3/Hibernate4). Certain functionalities are added or refined:
  - WorldTracer document local management, automatic/manual recovery of temporary AHL/DPR 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, followed User Story between API and MOA team biweekly. Participation in meetings directly with SITA (American company) for items in WorldTracer
- Training & guiding the newcomer and work together on different development subjects during 2 months. Skills transfer for following subjects on: DPR, OHD, FWD or CFD.

Coordination and BAG API integration
- Development and UI integration with BAG API (AHL)
- 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
Database System
Algorithm & Design Pattern
Ontologies and Semantic Web

IDE Tools/ Software

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

Programming Language

C	■ ▢ ▢
Java	■ ■ ■
JavaScript	■ ■ ▢
Objective-C	■ ▢ ▢
HTML/CSS	■ ■ ■
PL/SQL	■ ■ ▢

Frameworks & methods

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

Database

Oracle	■ ■ ▢
MySQL	■ ■ ▢
PostgreSQL	■ ■ ▢
MongoDB	■ ▢ ▢

Operating System

Windows	■ ■ ■
Linux	■ ■ ▢

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 »
- Product manager assistance, 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

- Product UI refactoring, adaption with new graphical charter AF Betty. (AngularUI, Bootstrap, responsive PC and 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 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/XSD),which support retrieving, dispatching and sending different IATA luggage queue messages(BSM, BPM, MVT, BMM, BNS, BCM..) to Air France middleware Mercury/Samotrace, configurable via file XML
- Test with JUnit, SOAPUI, HermesJMS. Documentation and maintenance
- This Java tool is quite often used (almost everyday) by luggage IT department

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 SSPIRSOA, 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)

- Conception and redaction of detailed specifications for new BI components « Dashboard/Supervision» of fleet(truck) management platform(including vehicle identity card, TCU/VID activity tracking, platform history, vehicle/equipment diagnostic, platform statistic)
- 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 and 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 prototype's UI & API architecture of Business EBP "IOvision" (AngularJS, Grunt, Bower)
- Front-end 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)
- Followed tasks on Redmine. Technical & functional support for IOvision team
- **Technologies:** AngularJS, AngularUI, Grunt, Bower, Java, Jersey/JAX-RS, BootStrap2 and 3, jQuery, Jasmine, SVN, Tomcat, Sybase, Maven, Redmine

Advanced Solution Accelerator   Montpellier | 11/2012-02/2013

Mobile developer, prototype construction for a small 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