**Guopeng Deng (Stephen)**

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**Apply for System Analyst.**

**Work Experience: \_7\_ Year(s)** (Years of IT experience)

**Current title: System Analyst**

**Availability: December 1st**.

Education

|  |  |  |
| --- | --- | --- |
| Academic institution | Degree | Date Obtained |
| The University of Hong Kong | M.S in Computer Science | 2009.09-2010.08 |
| Shenzhen University | B.E in Computer Science & Technology | 2005.09-2009.07 |

Certification

|  |  |  |  |
| --- | --- | --- | --- |
| Academic/Professional Qualification Held | Issuing Authority | Subjects passed and Level Attained | Date Obtained |
| Project Management Professional | Project Management Institute | PMP Credential | 2017.07 |
| DB2 Universal Database V8.1 Family | IBM | IBM Certified Database Associate | 2008.08 |

Scholarship

|  |  |  |
| --- | --- | --- |
| Academic institution | Award | Date Obtained |
| The University of Hong Kong | China Postgraduate Scholarship | 2009-2010 |
| Shenzhen University | Excellent Student of Academic Performance | 2005-2008 |

IT Skills

**Programming**:

Java, Visual C++, JSP, HTML, CSS, Spring, Struts 2, JSP, Selenium API, Cucumber, iBatis, Shell script, Cobol and Natural language. Cognos BI

**Database**: DB2, MS SQL, Teradata.

**Operating System**: Windows, UNIX, Linux.

**Others**: Network security, Linux, QT Programming. Libpcap, P2P Transmission Protocol (Freenet, Emule/Edonkey).

Language:

Proficient in written and spoken Cantonese, Mandarin and English

Working Experience (in reverse chronological order)

HSBC Global Bank and Market

**Employed by ChinaSoft (resource) Ltd.**

**Title: System Analyst** **Period**: **2016.09 –Present**

**Project: SPOMS:**

To support updated banking and governmental monetary policy change, the project is enhance HSBC's current **Structured Product and Bond Order management system** (SPOMS) for Relation Manager, which is web-based Java application project built with JSP, IBM WebSphere and DB2 Database.

**Job nature**

Co-work with Business Analyst to gather requirement, lead team to analyze and implement solution in purposed schedule through development, SIT and UAT.

Online and batch transactions development using Java, JSP, Spring and MVC.

Adding new feature to existing web page which retrieve customer information from external system via MQ and then check against government policy, preview order information in generated PDF, after relation manager confirm, order record are saved to DB for further process.

Use agile methodology with JIRA software to manage and trace project items, including requirement and defect.

During Unit test and SIT, use Auto test tools Cucumber, java and Selenium to build up test environment script to perform test cases in order placement. By setting up test scenarios and sample input in a matrix input under Cucumber syntax which allow tester and BA to prepare cases without technical knowledge, and then translate those actions into java function using Selenium WebDrive which will run on Cucumber browser simulator.

**Project: Sales Portfolio management (SPM)**

Enhance system **Sales Portfolio management** (SPM). Gathering requirement from downstream system BA. Collect data from multiple upstream system data, SPM process and generate data feed and Cognos report to Relation manager user's for staff relationship, staff's KPI.

**Job nature**

Co-work with Business Analyst to gather requirement, lead team to analyze and implement solution in purposed schedule through development, SIT and UAT.

Besides project development by BA's requirement, provide daily support to HK site daily batch. Based on the batch result, design temporary fix and incoming solution changes, including program changes, DB table design and SQL performance tuning.

Inland Revenue department

**Employed by Peoplebank HK Ltd.**

**Title: Analyst Programmer** **Period**: **2014.03 –2016.09**

**Project Description and achievement:**

The project is migrate **Inland Revenue department (IRD)** current tax system, which is built on IBM Mainframe Natural language, to Java Web application.

**Job nature**

Analyze, design and perform Mainframe data conversion from mainframe original file database system to IBM DB2 database.  
Based on system specification and original Natural source code, develop web application and batch jobs using Java, iBatis, Spring, Struts 2 framework and deploy under IBM WebSphere Application Server.

Online and batch transactions development using Java, JSP, Spring and Struts 2, MVC.

Performing test plans for system module including GUI, data setting, business logic. Fixing bugs through unit testing.

UAT Period, coordinate with IRD user to prepare related data preparation, Bugzilla for log tracking and fixing. Use current Mainframe test cases to rerun on Java system, compare results including DB data and output report

ICO Limited.

**Title: Analyst Programmer** **Period**: **2011.05- 2014. 03**

**Project Description and achievement:**

EEEP, an **Immigration department** project for Exit-Entry HK port. It is built upon IBM mainframe (ML), middle cluster server (OL) for data consistency and communication across platform with high level mainframe and low level server (PL). And low level cluster server dedicated to local client application’s data retrieval and business logic checking. Since it is an old project goes through decades, the existence of ML has the similar functionality as OL. In the long run, OL are going to replace the ML.

**Job nature**: Our team are responsible for enhance the EEEP, an Immigration department project for Exit-Entry HK port.

Using existing GUI template to create GUI Screen and implementing business logics for them.

Coding with MVC using Java, J2EE, XML and JavaScript, communicating with Java WebSphere service to retrieve and save related data through SQLJ.

Writing unit test plans, test cases for system module including UI, data setting business logic, executing test cases and fixing bugs through unit testing.

I am co-ordinate with other programmers to ensure that all the modules comply with each other well.

In the project, I also use SQLJ and message queue (MQ) to deal with data in server side. Background data synchronization between different cluster and layer, are written in C++, which run on Unix server, and data transfer method is IBM WebSphere MQ to handle the asynchronous speed between them.

Developed Modules:

**Smart card reader and writer**

As new smart card passport will be used to replace the existing paper passport, a smart card reader and writer module need to integrate into the existing system in order to access a China and Hong Kong co-worked smart card for Mainland visitors. My supervisor and I design it as two parts.

Part a: A Microsoft Window service to read and write the smart card directly via Mainland related institute provided API.by card device. A hardware security machine is used for encryption and decryption. The service as a server responds to http request, perform operation and send back related content to client.

Part b: A java client is used to contact with the Windows service to access smart card, provide read and write card method to major Java system and control Windows service start and shutdown when window service crash due to provided API problem or hardware problem.

**Label Printing per visitor to replace stamping**

With third party provided jar to access Label printer, we use pre-defined different kind of templates to generate label page. Module will identify different label printer and apply related setting for this specific printer. Use singleton in label printing class to avoid conflict operation of printer.

**E-Business Technology Institute (The University of Hong Kong).**

**Title: Programmer** **Period**: **2010.01 - 2011. 05 (Part time from 2010.01-2010.09)**

**Job nature:** Responsible for the development in two projects.

**A. Waterway:** In the project, I used RFID technology for tracking ships across checking location, and take photos with web camera by calling camera API. I also write programs to deal with words translation between English and Chinese.

Technology: I use Http Apache library to communicate with an Axis web camera server to retrieve images. Use RMM (Reverse directional maximum match) to split word to letter.

**B. Others:** I usedEJB JPA technology to provide data communication service via WSDL(Web Services Description Language). At server side, there is a Tomcat server as a data service provider, connected a MS SQL Database. JPA provides a one to one data model mapping to DB table. Client side is a Java applet application, or other platform as long as it support WSDL.

**2009. Graduate Project:**

**Project Description:**  Network security: Research and practice how to protect server from common DDoS attack. Basic principle: For any specific user, the length of routers travelled from user PC to server falls into a small quantitative range, or several numbers plus or minus a little. Based on this, a mapping from users to their router-length could be build up. Use of this mapping can filter random DDoS attack.

**2008. Shenzhen Microsoft Technology Centre -- Title: Trainee**

**Job Nature:** Website Development using C# creating a blog website.

**2007. Red Hat Linux Training.**

**Job nature:** Training of usage of Linux system, batch and script.