Mohammad Kabir ABDULSALAM

✉: 31, Résidence les Hauts de Marcouville, 95300 Pontoise – France
☎: +33 615022731
🖥: mkab.abdulsalam@gmail.com
LinkedIn: www.linkedin.com/in/mohammadkabirabdulsalam
GitHub: https://github.com/mkab?tab=repositories

PERSONAL STATEMENT

As a graduate from Cergy-Pontoise University with a degree in computer science, I have undertaken several internships within different organizations such as MNCC and Serenis Groupe G7. These placements have enabled me to develop solid technical and interpersonal skills and gain valuable experience in the IT industry. I seek challenging opportunities in software development where I can gain expertise in new technologies and use my skills to contribute the success of the organization.

EDUCATION

September 2013 – July 2015	–	**MSc. in Software Engineering (Master 1 in progress)** – Université Pierre et Marie Curie – France **Specialization Modules**: Software Engineering, Algorithms, Database, Design Patterns and Design by contract
September 2012 – April 2013	–	**MSc. in Computer Science (Master 1)** – Université de Marne-la-Vallée – France **Specialization Modules**: Java Development, Database, Networking
September 2009 – April 2012	–	**BSc. in Computer Science** – Université de Cergy-Pontoise – St. Martin – France **Modules included**: Algorithms in C language, Database Design and Development, Java Programming, Web Development
July 2005	–	**8 GCSE** Papers at grades A to C including Mathematics and English Language **Zamani College**, 1, Waziri Maccido Road, Kaduna – Nigeria

PROJECTS

February – May 2014	–	**Conference Planner** (Group project) https://github.com/mkab/Conference-Planner-app-Android/tree/master/apk Created a mobile application for managing conferences using **Android** and **FeatureIDE** (an Eclipse plugin for software product line development). **Tools used: Java (Android programming), Eclipse, FeatureIDE, GitHub, Word**
October – December 2013	–	**Mini iSketch** (Group project) Developed a graphical user interface to simulate some functionalities of isketch using the client–server model. • Wrote the server in **C** and the client in **Java** in **TCP** protocol • Functionalities implemented include: login/logout, chat, drawing, new client detection, among others **Tools used: Java, C, Eclipse, CodeBlocks, Word**
October – December 2013	–	**Mini Sudoku** (Group project) Designed a software architectural model for the Sudoku game from a scope statement. Modelled use-case diagrams, business object diagrams, sequence diagrams, component class diagrams and test case diagrams from the scope statement and developed the application following the created model. **Tools used: Java, Eclipse, IBM Rational Software Architect, Word**
February - April 2012	–	**Advertisement website (like craigslist) for e-Commerce** (Group Project) Designed a free advertisement website for sales and rental of real estate, sales of electronics and training modules. Modelled and created a **MySQL** database and developed the website while respecting the **W3C** standards for **HTML5** and **CSS3**. This required excellent teamwork and good coordination between team members to ensure the project was delivered in line with specifications and within time limit. **Tools used: PHP5, HTML5, CSS3, JavaScript, Apache, MySQL, SQL Developer, NetBeans, FileZilla, Word**
January – February 2012	–	**Website Development** (Group Project) Created an ergonomic website using **PHP5** and **JavaScript** to manage different groups of teachers and students in various secondary schools. Modelled and created a **MySQL** database and developed the website while respecting the W3C standards for **HTML5** and **CSS3**. • Modeled and created a MySQL database • Importation of data related to 95 teachers and 1220 students (name, age, sex, subjects taught/learned, department, etc.) into the database from a CSV file • Articulation of different groups from these data – groups by subject/class with links to groups that may have been generated automatically or manually by teachers. • Exportation of established groups into a CSV file **Tools used: PHP5, HTML5, CSS3, JavaScript, Apache, MySQL, NetBeans, FileZilla, LAMP, Word**
October – December 2011	–	**Mini UNIX Shell** (Group Project) Developed a mini UNIX shell similar to the Bash shell in Linux operating systems. Implemented different functionalities of the **UNIX** shell – pipes, redirection, input-output commands, environment variables, background tasks, directory management etc. in C language. **Tools used: C, CodeBlocks, Word**
October – December 2011	–	**Vehicle Rental Services** (Group Project) Designed and created a website for the rental of commercial vehicles. Modelled and developed an Oracle database and ensured that the site's HTML and CSS codes – written by my team members – comply with **W3C** standards **for XHTML 1.0** and **CSS2**. **Tools used: PHP4, XHTML 1.0, CSS2, Oracle, Apache, NetBeans, FileZilla, XAMPP, Word**
February – April 2011	–	**Genetic Tree** (Individual Project) Developed a simple graphical user interface in **Java** to simulate mitosis and meiosis process of human chromosomes and developed algorithms to determine gene expressions on a subject **Tools used: Java, UML, Eclipse, Word**

February – July 2015 – **PHP Developer Intern at SERENIS (subsidiary of the G7 Group)** – Clichy, France (internship in progress)

Tasks
- Create tables in the existing database
- Creates scripts to transfer data from XML and CSV files to the SERENIS's database.
- Migrate SERENIS's intranet to the recent **MySQL 5.6.23** version and **PHP 5.6** version
- Update **PHP** pages and scripts from old PHP mysql_* extension to **PHP PDO** extension
- Create **PHP** scripts to edit and export data from the database to Microsoft Excel
- Create a new website for SERENIS

Tools: Java, JAXB, PHP5, XHTML, CSS3, JavaScript, MSSQL, JTDS, Apache, NetBeans

May – August 2013 – **Software Developer Intern at MNCC SARL** – Paris, France

Developed an API to migrate data from a **Google App Engine** Database (NoSQL database) to a **PostgreSQL** database. Improved the performance of different web applications previously developed by MNCC and developed various software features for these applications.

Key Achievements
- Configured a **Google App Engine** workspace
- Succeeded in migrating the company's data without any loss
- Optimized the performance of the web applications
- Worked closely with developers to determine which software features to implement for existing web applications

Key Skills Gained
- Knowledge gained in **NoSQL** and **Ruby on Rails**
- Improved knowledge of **Java** and **Eclipse**
- Improved communication skills

Tools used: Java (J2EE), JUnit, Google Guava, Google App Engine, PostgreSQL, JDBC, Ruby on Rails, Eclipse, GitHub

April – June 2012 – **Java Developer intern at the Computer Science Department of Université de Cergy-Pontoise** — France

As the head of a three-man team, supervised the development of a graphical user interface in Java, which automatically configures a Mondrian OLAP (Online Analytical Processing) server for **MySQL** and **Oracle** databases in a **Windows** and Linux computer operating system.

Key Achievements
- Installed **Apache**, **Tomcat** and **Mondrian** servers on Windows and Linux computers
- Developed the graphical user interface in **Java**
- Wrote **bash shell** scripts for certain configurations on **Linux** operating systems

Key Skills Gained
- Effective behavioral management
- Improved understanding of **Java**

Tools used: Java, JUnit, Script Shell, Apache, Mondrian OLAP, MDX, MySQL, Oracle, ODBC, JDBC, Eclipse, Word

June – August 2011 – **Computer Science Tutor at Maisons des Etudiants, Université de Cergy-Pontoise** – Cergy

Taught basic computer skills to the elderly.

Main Tasks
- Installation and usage of computer peripherals such as keyboard, mouse, webcam etc.
- Basic Microsoft Word and Excel usage including file and folder management
- Web navigation and emailing and online shopping
- Password protection, precautions against scams, phishing, junk mails, identity thefts etc.
- Skype/Yahoo Messenger Account creation and protocols of online conversation

Key Skills Gained
- Interpersonal and communication skills
- Patience
- Successfully developed a conducive learning environment

November 2010 – June 2011 – **Mathematics, English and Computer Science Tutor at College Les Touleuses** – Cergy,

Coached students in their last year of Secondary school in Mathematics and English in preparation for the Baccalaureate (High school diploma). Taught Java basics and Introduction to C language to students wishing to pursue undergraduate studies in computer science.

Main Tasks
- Remedial actions on weak points: Mathematics and English
- Java and C language
- English composition and translation
- Examination techniques

Key Skills Gained
- Improved oral communication
- Greater confidence

COMPUTER SKILLS

1. **Applications**: Android SDK , Eclipse, NetBeans, FileZilla, Microsoft Word, Microsoft PowerPoint, Microsoft Excel, SQL Developer, Open Office, Wireshark, Mondrian, Mondrian OLAP Workbench, Apache, Tomcat, IBM Rational Software Architect, Google App Engine, Google Web Toolkit
2. **Programming languages**: Java (JUnit), Android, C, PHP5, HTML5, CSS3, MySQL, Oracle, PostgreSQL, MSSQL, PL/SQL, Script Shell (Bash), UML, JavaScript, Python, XML, C++
3. **Web servers and APIs:** LAMP, XAMPP, WAMP, EasyPHP, JDBC, ODBC, JTDS
4. **Operating systems**: Android, Windows XP/Vista/7/8, Ubuntu, Windows Server 2003 (Active Directory), FreeBSD
5. **Networking**: Configuration of a local network TCP/IP (DHCP) and knowledge of firewalls, HTTP, UDP, SSH and SMTP
6. **Virtualization**: Self-taught on VirtualBox and VMware
7. **Others**: Design patterns

LANGUAGES

- Native English speaker and fluent in French
- Daily conversational Japanese (Passed JLPT 4)

HOBBIES

- Football, computer, chess and watching animal documentaries.