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Computer Engineer with an outstanding academic background. Passionate about science and technology, with strong technical, business, and interpersonal skills. Loves travelling and discovering new cultures, enjoys working in a multiethnic environment

Previous Employment

System Management – ACI Worldwide (EMEA) Ltd   **Naples, Italy – Watford, UK**
ePayment Engineer   *September 2015 – current*

Currently working as a Technical Consultant for ACI Worldwide (EMEA) Ltd on behalf of System Management. As a consultant for ACI Worldwide, I work on various projects (both internal and external) involving BASE24-eps, the world's most used payment engine. Working with the world's leader company in payment industry, I am gaining lots of experience in this domain and cannot wait to learn more.

My responsibilities are various, as I can be involved in the early stages of a project as well as later on, when the system is already deployed on customer's site. Mostly, I work on implementation and customisation of the BASE24-eps product, installing and configuring the system to meet customers' needs. That can be accomplished by correctly connecting the various interfaces of the system to the world's most used payment networks (Visa, Mastercard, American Express and so on), creating authorisation mechanisms via a proprietary scripting language and developing ad-hoc modules in C++ and Java to extend the system's functionalities as per customers' requirements.

I recently joined on a temporary basis the Premium Customer Support group, who's responsible for responding within the proper SLAs to customers' raised defects or unexpected behaviours. My duties require me to thoroughly analyse the data provided by customers in order to identify the problem and suggest a way forward to solve it. Once a resolution strategy has been identified, I can be either coding the fix (in C++ or Java, depending on the module causing the issue) or reviewing the modifications made by other members of the team.

I have gained experience on various platforms, as the BASE24-eps system can work on NSK machines (HP NonStop servers), UNIX box (Sun Solaris, IBM-p series and more recently Linux in a RedHat/CentOS flavour) and IBM-z series. Obviously, each platform comes with different DBMS options, so I have worked with Enscribe, ctree, DB2 and Oracle.

Lastly, and maybe most importantly, I work in a truly global company, so I am used to schedule meeting late at night or very early in the morning to collaborate with colleagues from other parts of the world.

○ **STAerospace Engineering – Alenia Aermacchi**   **La Teste-de-Buch, France**
IT Support Engineer   *February 2014 – December 2014*

Was the on-site IT support engineer responsible for software and hardware infrastructure of the Mission Support System (MSS) of the Royal Singaporean Air Force (RSAF). My main duties involved:

- ensuring that the MSS system was operational at all times, according to RSAF daily flight schedule and operation
- coordinate with Alenia Aermacchi's headquarters for the release of software patches / hardware upgrades
- report software bugs / snags to the development team in order to build a KB to help other clients who are currently using the system and schedule software releases / patches
- develope small applications / write scripts to automate daily operations
- ensure that the backup jobs are executed successfully and if not investigate the cause of the wrong behaviour
- administrate the AD forest and add / remove users according to the RSAF requirements

○ **Università degli Studi di Salerno**   **Fisciano (SA), Italy**
Part-time student co-worker   *November 2012 – January 2013*

Worked as an assistant at the Dean's office. I was responsible of digitalizing the Dean's personal library and helping the students book their exams through the university website

○ **Quelli che... la farmacia**   **Mercogliano (AV), Italy**
Software Engineer   *September 2011 – September 2012*

Worked as a software engineer for a pharmacy wholesaler. I designed and developed a software that helps pharmacies keep track of the drugs in stock and automate the ordering procedure in case the stocks were running low. Furthermore, it is possible to monitor the system through an Android app

○ **ST Incard**   **Marcianise (CE), Italy**
Software Engineer (internship)   *November 2009 – June 2010*

Worked as a software engineer as part of my internship during my last year of bachelor's degree. The project I worked on was part of my final thesis. I designed, built and developed the software for a distributed electronic cabinet for keys safekeeping. The cabinets were located in different areas of the plant and three different layers of security were implemented:

- numeric pad
- smart card reader
- RFID chip

The software provided Access, Accounting and Authentication features and generated different reports for all daily shifts, plus daily and monthly reports. The reports were automatically send to the managers, highlighting suspicious behaviours such as missing keys for more than two shifts or recurring keys withdrawals

Latest Projects

Cisco CCNA

Studying towards Cisco CCNA certification, *May 2015 – July 2015*

Have been studying towards the Cisco CCNA certification for the last few months. This will provide me with an above the standard understanding of layer 2 and layer 3 protocols as well as a working knowledge of Cisco switches and routers. The main topics covered by the CCNA, a part from installing, configuring and maintaining Cisco products, are:

- IPv4 addressing and subnetting (both classless and classful)
- IPv4 routing using OSPFv2 and EIGRP
- IPv6 addressing and subnetting
- IPv6 routing using OSPFv3 and EIGRPv6
- LAN switching protocols (STP, VTP, RSTP) and basic security options (Port Security)
- VLAN configuration and troubleshooting
- WAN connectivity

I expect to take the exam in August 2015

Fundamentals of Computer Science

Mentoring for fundamentals of computer science and programming in Python, *January 2015 – June 2015*

Helped a friend throughout his course of fundamentals of computer science. A part from giving her supplemental lectures about computer foundation topics (Von Neumann machine and computer history, flow of execution of a program and control / iteration statements, exception / error handling), I had the opportunity to learn to program in Python, as all the assignments she was given had to be written in this language. I have become fluent in it and I have been increasing my mentoring abilities exponentially: under my supervision, my friend was able to get 130/100 for her last project (and she's enrolled in Chemical Engineering, so this makes the result we achieved even more valuable)

Software Engineering

Escape From the Aliens in Outer Space clone, *March 2015 – June 2015*

Developed the final Software Engineering project for some friends at the Politecnico di Milano (known to be the best Engineering school in Italy): a clone of the board game Escape from the Aliens in Outer Space. Since the grade of the project will determine the extra points awarded for the graduation grade, I put a lot of effort in it, trying to apply all Software Engineering best practices. For starters, I used GIT as a repository so that every change in the code would have been tracked and eventually reversible and MAVEN to perform building and adding / removing library requirements. I chose to go for a Test Driven Development from day 1, hence all functionalities were tested indipendently. The software was to be written according to a client / server architecture: I chose Java RMI to ease the programming effort. Lots of design patterns have been used throughout the project, amongst them: Singleton, Factory Method, Observer, State and MVC. The GUI has been implemented using Swing, as per professor's requirements.

Design Engineering Project

Processing final project, *April 2015 – May 2015*

Mentored a friend for her final Design Engineering project. She had to use Processing, which is an open-source platform written in Java. With the addition of two other modules (Box2D for physics and OpenNI to communicate with a Kinect), she was able to create a bob slide ride game. My help was essential when she had to understand the programming language syntax, as she's a Design Engineer and has never developed software before.

Education

Academic Qualifications

- **Università degli Studi di Salerno** **Fisciano (SA), Italy**
  MSc Computer Engineering , 110/110 e Lode (First Class Honours) *2010 – 2013*
- **École nationale supériuere d'ingénieurs de Caen** **Caen, France**
  MSc Computer Engineering , Erasmus Internship *2013*
- **Università degli Studi di Salerno** **Fisciano (SA), Italy**
  BSc Computer Engineering, 106/110 (Upper Second Class Honours) *2006 – 2010*
- **Liceo Scientifico P.S. Mancini** **Avellino, Italy**
  Diploma di Maturità, 100/100 *2001–2006*

Notable Projects

- **Masters Project**
  'Design of a business intelligence application in a shopping centre based' *March 2013 – June 2013*

  Produced a thesis on a business intelligence application designed to help the management board of Mondeville 2 Centre Commercial de Caen (MCCC2). The goal of the business intelligence application is providing useful data for managers in the form of heat maps, representing hot and cold points inside the shopping centre, and trajectory clusters, representing the most usual paths inside the shopping centre. Data is gathered with a network of cameras installed inside the MCCC2 and customers' trajectories are extracted in order to provide the input for the heat map generation and trajectory clustering algorithms

- **IT Governance Applications**
  'IT Security Management Project' *July 2012 – August 2012*

  Worked in a team of 5 people on a project whose goal was creating a completely virtualized Data Center using VMware ESXi environment and implement the most basic security measures and audit procedures. The Data Center was made up of a Domain Controller, an Exchange server and several client stations. Furthermore, an Intrusion Prevention System has been set up using the free operating system pfSense. The entire network was then divided in a DMZ and public zone

- **Computer Vision Systems**
  'Robot Vision Cup II' *June 2012 – July 2012*

  Was a member of a team of 4 students attending a computer vision competition. The final goal was implementing an algorithm able to manoeuvre completely autonomous robot in a football field using the Microsoft Kinect to detect and avoid obstacles and score a goal

- **Operating Systems**
  'Museum QR Code' *May 2011*

  Worked with other 2 students to develop an application for Windows Phone platform able to scan QR codes relative to work of arts exhibited in a museum. The QR Code contained a brief description of the artwork together with a link to its page on the musuem website, accessible via the museum free network. The user had the possibility to post a comment and read more about the artwork itself and its author

Technical and Personal skills

- **Programming Languages:** Proficient in: Java, C, C++, C# , bash scripting, web technologies: (JavaScript, HTML, CSS3, jQuery) and LaTeX. Also basic ability with: Python, PowerShell.

- **Industry Software Skills:** Matlab (Intermediate), Mathematica (Intermediate), MS Office Suite, including MS project and MS access (Advanced), MS SharePoint Server (Intermediate), MS Exchange (Intermediate).

- **General Business Skills:** Good presentation skills, Works well in a team, Ability to work under pressure and with close deadlines.

Interests and extra-curricular activity

- Have been playing basketball since I was 6 and throughout my career I reached high-school national finals during my first year of high school, then I have been appointed captain of the team. I also reached national finals with my hometown junior team. I'm now playing at semi-professional level with the second team of my hometown.

- Have a keen interest towards technology. In my spare time I study towards a Cisco CCNA Routing and Switching certification plus I work on various DIY projects for home automation.

- Love travelling and discovering new places. That is why I never leave home without my camera when I know that I'm not going to stay in a 10 miles radius from home.

References

- References from my previous employers available upon request