

**Europass  
Curriculum Vitae****Personal information**First name(s) / Surname(s) **Lima, Sérgio Miguel Laranjeira**Address(es)  
(for mail only)  
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Nationality Portuguese

Date of birth April 26, 1983

Gender Male

**Desired employment /  
Occupational field** **Software Developer, research****Work experience**

Dates August 2015 → present

Occupation or position held Android Mobile senior developer

Main activities and responsibilities

Participate on the Design and development of the Lanyon Mobile main product that is the event management.  
Product to manage big events with thousands of speakers and attendees, with map location sharing documents, scheduling adhoc events, among several other features.  
Implemented in Android native, with REST services to communicate and synchronize with the server for gathering info, surveys and other data.**Methodologies Used:**Agile – Scrum, (JIRA, Confluence)**Software**Android studio, GIT, JUNIT, APPIUM (for testing)

Note: Starting training on apple iOS development

Name and address of employer Lanyon Solutions, UK, Maidenhead London, United Kingdom

Type of business or sector Events Software development, Web and Mobile

Dates January 2013 → July 2015

Occupation or position held **Software Engineer**Main activities and responsibilities Development of **Android applications** for an important worldwide TELCO group:



- Cloud service: an android application to allow users to share their files on the cloud (available everywhere). This application allows for backing up of media content, and contacts bringing rich computational resources to mobile users.
- Customer Helper : an application to allow users to simulate and select the best devices and plans to their personal desire.
- Integration application : to use voice to text services, to allow sending multiple text messages (sms) to several costumers, with only one voice recording.
- Communication tool : for enterprises bringing together services for messaging (XMPP), talking (SIP) and for contact browsing for enterprise directories.

Technologies used:

- **Github, Android Studio**, JAVA, JNI/C++, SyncML (smltoolkit)
- Web-services SOAP / REST, **XML, Cloud**
- **Linux, Bash script**

Methodologies Utilized

- **Agile**
- **JIRA** (software)
- **Slack**, for communication , **Trello** for planning

Development of applications for Android to interact with external services such as speech to text IVR, and deployment of the application on Google Market.

Technologies used:

- **Android Studio (SDK, NDK)**, Java, **XML**
- **Linux**

Development of WEB applications for one of the most important Telecom company in Portugal. To include services on their main portal (website) to be used by any person, with integration with external webservices (ie: Google Maps API)





Developed webservices (SOAP) to extend functionalities and integration of several interfaces to have an easier usage.


Developed web applications based on the **javascript library FLOT** to render graphics and charts for statistics (with support multi-browser).

Technologies used:

- **SVN**, Eclipse, Netbeans
- **Java** (J2SE, J2EE, JDK5)
- **Tomcat**, Web-services SOAP & REST, XML, Javascript (jQuery), Servlet, Struts2,
- **Oracle 10**
- **JUnit**
- Linux, Bash scripting

Name and address of employer	WIT – Software, Coimbra, Portugal
Type of business or sector	Software development, Web and Mobile
Dates	January 2011 → July 2012
Occupation or position held	<b>Software Developer and Tutor</b>
Main activities and responsibilities	<p>Courses:</p> <ul style="list-style-type: none"> <li>- "Android Apps for beginners : Games / business"</li> <li>- "Internet: Safety culture"</li> <li>- "Informatics 101"</li> <li>- Physics and Math</li> </ul> <p>Development of Web Applications for managing and scheduling classes for several academias.</p> <ul style="list-style-type: none"> <li>- web services SOAP, Java,</li> <li>- Spring, Hibernate,</li> <li>- MySQL</li> </ul>
Name and address of employer	Academia APAMM - Ermesinde

	Porto Ermesinde (Portugal)
Type of business or sector	Education
Dates	December 2010 → February 2012
Occupation or position held	<b>Student at Flight School</b>
Main activities and responsibilities	Following a longtime dream, taking my <u>pilots license</u> . One year dedicated to it for the theory classes . Then was able to do as a part time.
Name and address of employer	Nortávia - Portugal
Type of business or sector	Education Flight School
Dates	<b>November 2009 → November 2010</b>
Occupation or position held	Software developer
Main activities and responsibilities	 <p>Member of ATLAS-TDAQ experiment, developing software for the Monitoring Working Group. Design and implementation of software applications in JAVA/SWING for monitoring the data-acquisition monitoring tasks.</p> <p>Tasks performed:</p> <ul style="list-style-type: none"> <li>– Develop SWING GUI's in a distributed environment (realtime)</li> <li>– Testing software with JUnit package</li> <li>– Document and source code write and review</li> <li>– Knowledge using Savannah CMS software</li> </ul> <p>Attended several internal workshops regarding multiple processing and distributed programming (MPICH, Intel TBB) given by D. Levinthal from Intel. Also attended the “Developing secured software” by Sebastian Lopienski from the CERN Computer Security Team.</p>
Name and address of employer	CERN - European Organization for Nuclear Research CH – 1211 Meyrin, Geneva Switzerland
Type of business or sector	Computing - Software Engineering
Dates	<b>December 2007 → April 2009</b>
Occupation or position held	Researcher on
Main activities and responsibilities	  <p>Main researcher on the project capview.org. Automatic event detector, in wireless capsule endoscopic video. Development of computer vision algorithms. Main technologies: MATLAB / C++, FFMPEG, openCV Operating systems used: Linux, and some windows</p> <p>Tasks performed:</p> <ul style="list-style-type: none"> <li>– feature extraction and data mining using SVMlight for C++, WEKA for JAVA.</li> <li>– Integration of WEKA and Matlab for fast analysis and prototyping</li> <li>– Integration of C#/C++ CLI for fast video analysis</li> <li>– Develop of WPF GUI interfaces for usability</li> <li>– Installation of SVN for simple source code distribution, and backup scripts</li> <li>– Installation of TRAC with LDAP authentication for documents and source code distribution, across the department</li> <li>– Use of VmWare ESX for implementation of several virtual machines for development</li> </ul>
Name and address of employer	IEETA – University of Aveiro
Type of business or sector	R&D in compute vision, and machine learning
Dates	<b>September 2006 → October 2007</b>
Occupation or position held	Bioinformatics engineer
Main activities and responsibilities	 <p>Installation and management of a mini cluster based on RocksCluster Software, to run applications based on MPICH. Development of software and scripts in BASH and Python to perform automatic administration tasks. Development of some API's in C# for interacting with public Bio-Databases. Installation of windows VPN server for teleworking, and Cisco routers/switches configuration.</p>

	The bioinformatics results from several open source packages were dumped in CSV formats, and therefore used the Python/REGEX scripts for parsing and analysis. Processes optimization by developing VBA scripts for EXCEL expediting the workload on biologists.				
Name and address of employer	BIOCANT – Biocant Park, Cantanhede				
Type of business or sector	Biotechnology, bioinformatics				
<b>Education and training</b>					
Dates	<b>November 2011 → January 2012</b>				
Title of qualification awarded	<b>CCP - Certificado Competências Pedagógicas (former CAP)</b>				
Principal subjects/occupational skills covered	Pedagogical Skills Certification to perform as professor / tutor				
Name and type of organisation providing education and training	APAMM - Ermesinde				
Dates	<b>July, 2009</b>				
Title of qualification awarded	<b>CEH – Certified Ethical Hacker (EC-COUNCIL)</b>				
Principal subjects/occupational skills covered	Computer and Network security, analysis, threat analysis				
Name and type of organisation providing education and training	Galileu Aveiro , EC-COUNCIL approved institution				
Dates	<b>June, 2006</b>				
Title of qualification awarded	Masters degree in Engineering Electronics and Telecommunications <b>(“Mestrado Integrado em Engenharia Electrónica e Telecomunicações ”)</b>				
Principal subjects/occupational skills covered	Telecommunications, Electronics, Software Development				
Name and type of organisation providing education and training	University of Aveiro				
Level in national or international classification	Masters Degree in Science				
<b>Personal skills and competences</b>					
Mother tongue(s)	<b>Portuguese</b>				
Other language(s)					
Self-assessment <i>European level (*)</i>	<b>Understanding</b>		<b>Speaking</b>		<b>Writing</b>
	Listening	Reading	Spoken interaction	Spoken production	
<b>English</b>	Good	Good	Good	Good	Good
<b>French</b>	Fair	Good	Fair	Fair	Good
<b>German</b>	Notions	Notions	Notions	Notions	Notions
(*) <i>Common European Framework of Reference for Languages</i>					
Social skills and competences	Practice of self-defence since 2002, and teaching since 2008.  Team worker, capable to adapt easily to foreign environments. Experience acquired in my work abroad on international projects.   <b>Volunteer</b> on project <u>Achilles International in Geneva</u> , which has the main objective to help people with disabilities (motor and visual) in the practice of sports, specifically jogging.				

Computer and Technical skills and competences	High knowledge of Office tools. Programming in C++, Java, JSP, C#.NET Scripting in BASH and Python Knowledge of multimedia tools: Adobe Premiere, and GIMP Development of web-services. Use and develop scripts for POC on Metasploit using Ruby
Workshops and Courses	Workshop in Home-Automation, 3G and CRM. Course in HPC (High performance computing) for bioinformatics, at ITQB Lisbon
Other skills and competences	Knowledge of DICOM standard Knowledge of Databases (mainly MySQL) High interest on computer and network security field and issues.
Driving licence	Yes, Category B (Type 2)
<b>Additional information</b>	<p><b>Tutoring at Academia APAMM – Ermesinde:</b></p> <ul style="list-style-type: none"> <li>– Basic Informatics</li> <li>– Office Suite</li> <li>– Internet</li> <li>– Basic Internet Security</li> </ul> <p><b>Reviewer on book :</b> “Learning Android Application Testing”, by Paul Blundell, Diego Millano, Packt Publishing, March 2015</p> <p><b>Articles:</b></p> <p>Sérgio Lima, Natércia Sousa, Carlos Costa, Augusto Silva, Jacek Kustra – “Plataforma Web de Acesso e Partilha de Imagens Médicas”. Proceedings of CAPSI2006 – 7ª Conferência da Associação Portuguesa de Sistemas de Informação. Aveiro Jan 2007 p.62</p> <p>S. Lima, J. P. S. Cunha, M. Coimbra and J. Soares, "Tool For Endoscopic Capsule Dataset Preparation For Clinical Video Event Detector Algorithms", In: Proceedings of the International Joint Conference on Biomedical Engineering Systems and Technologies - BIOSTEC HEALTHINF 2009, INSTICC Press, Porto 2009, pp. 116</p> <p>Sérgio Lima, João P. Silva Cunha, Miguel Coimbra and José M. Soares, "ECCA – Endoscopic Capsule Capview cAtaloguer", ACCEPTED In: 11th World Congress on Medical Physics and Biomedical Engineering, Munich , Germany, 2009</p> <p>“Web Platform to Support the Share and Remote Access to Medical Images”. Proceedings of ICEIS2007 - 9th International Conference on Enterprise Information Systems. June 2007 in Madeira, Portugal.</p> <p><b>Poster in Conferences:</b></p> <p>Sérgio Lima, Emanuel Fonseca, José Luis Oliveira, Conceição Egas, "COMPUTATIONAL METHODOLOGIES FOR METAGENOMICS PROJECTS", XVth National Congress of Biochemistry December 2006, Book of Abstracts, Volume 1</p>