João Miguel Guerra Vieira
Innovation-driven Software Engineer

Passionate and forward-thinking Software Engineer. Looking to create something extraordinary for the Future Internet, through Mobile, Web and Ubiquitous computing. A fun-loving quick-learner focused on Usability, Efficiency and Inovation, everyday.

Address	Lisbon, Portugal
Phone	+351 91 597 0507
Email	joaoguerravieira@gmail.com
Skype	joaoguerravieira
Twitter	@joaomgvieira

Experience

Accenture
Software Engineer
2012 - Now

Lead developer of the cross-platform mobile app and web operations portal in a Workforce Management software solution for the biggest telco in Brazil. Proactively added welcomed features. Supported the rollout on-site (Rio de Janeiro). Major experience with distributed systems, web/mobile development, large team collaboration and project management in a business environment.

FEUP
Researcher
2012

In a partnership with the Imperial College London, I designed, developed and tested the first mobile app to infer QoE of Public Transport commuters inteligently – the front-end of a crowdsourcing route suggestion/planning application in the cloud. Prototyped a multimodal sensing paradigm to collect affective and context data from the smartphone and wearable sensors validated by the user input. This research lead to two publications presented to scientific and community audiences. For more info, visit my thesis page.

FEUP/PT Inovação
Project team leader
2011

For the Project Management Laboratory subject at FEUP, I led a team developing an application for PT Inovação. It consisted of an extensible web tool for white-box testing of in-house projects, using RoR 3. Throughout this time I learned to transform requirements into software in an agile Scrum methodology along with TSP/PSP.

PT Inovação
Summer trainee
2009

Summer trainee in a small project for PT Inovação. The goal was to deploy multiple OSs over the intranet using DHCP/BOOTP.

Education

Faculdade de Engenharia da Universidade do Porto
Integrated Master in Informatics and Computing Engineering
2007 - 2012

Programme aimed at providing a solid base of interdisciplinary scientific and engineering education, specialized training according to the best practices of Software Engineering, as well as stimulating creativity, entrepreneurship and management principles with real life projects. *Main subjects: Algorithms and Data Structures, Software Engineering, Database and Web Applications Laboratory, Agents and Distributed Artificial Intelligence, Software Development Laboratory and Project Management Laboratory.*

Final mark of 17/20.

Budapesti Műszaki és Gazdaságtudományi Egyetem
Infocommunication Systems
2011 - 2012

A year of Erasmus studies in Budapest, Hungary. In the second semester I worked remotely on my thesis project. This time provided me a rich multi-cultural experience and deeply improved my communication and social skills abroad. *Main subjects: Engineering Management, Design of Web Interfaces and Human Computer Interaction.*

Escola Secundária de José Estêvão
Human and Social Sciences
2001 - 2007

High School. Final mark of 18/20.

Skills

Software Development
Best practices for writing maintainable, reusable, readable and efficient pieces of code. Plus testing.

UI Design
Design for humans – assertively exploits the most user-friendly interface for valuable products where every pixel counts.

Project Management
Proven ability to lead and manage the development process in team and individual situations. Specially Agile.

Mobile Computing
Increasing skill and interest in creating seamless mobile applications, including new interaction paradigms.

Creativity
Great aptitude for building elegant solutions, both aesthetically and functional, or if they are just workarounds.

Software Architecture
Efficiency in finding the most suitable structure and combination of technologies for each different situation.

Research
Proven ability to conduct and introduce personal research and new technologies into software solutions.

Service Design
Experience in rapid prototyping for evolutive user-centered applications that meet costumer needs. Connecting Business, Technology and Design.

Database Design
Knowledge of different RDBMS with focus on efficiency and maintainability. Strong interest in NoSQL and scalability.

Technical

Languages, Frameworks and Technologies

Language	Rating	Language	Rating	Language	Rating	Language	Rating
Java	★★★★	C#	★★★★	C/C++	★★★	Ruby On Rails	★★★
ASP.NET MVC	★★★	Javascript	★★★	jQuery	★★★★	Script#	★★★★
CoffeeScript	★★★	Backbone.js	★★★	HTML5	★★★★	SCSS/CSS3	★★★★
Bootstrap	★★★	Compass	★★	JSON/XML	★★★★	REST API	★★★★
Android 4.x	★★★	PhoneGap	★★★	WCF	★★	SQL	★★★
PL-SQL	★★★	OpenGL	★★				

DBMSs and Software Applications

App	Rating	App	Rating	App	Rating	App	Rating
MongoDB	★★	MySQL	★★★	Oracle	★★★	SQL Server	★★★
PostgreSQL	★★	ClickSoftware	★★★★				

Development Tools

Tool	Rating	Tool	Rating	Tool	Rating	Tool	Rating
Yeoman	★★★★	Eclipse	★★★★	Visual Studio	★★★★	X Code	★★★
RubyMine	★★	ADT	★★★	Textmate	★★★	Git	★★★★
Github	★★★★	Chrome DevTools	★★★	JUnit	★★	RSpec	★
Photoshop	★★★★	UML 2.0	★★★				

Honors and Awards

- Portugal Telecom's national **"Superior Excellence Prize"** on merit and academic excellence of collaborator's sons, for the Higher Education. — 2013

- Portugal Telecom's national **"Superior Excellence Prize"** on merit and academic excellence of collaborator's sons, for the Higher Education. — 2012

Publications

- J. G. Vieira, P. M. Costa, T. Galvao, J. Pitt and J. F. e Cunha. **"Smart Mobile Sensing for Measuring Quality of Experience in Urban Public Transports"**. Paper presented at The Second International Workshop on Smart Mobile Applications (SmartApps'12), Newcastle, UK, June 19, 2012. — 2012

- P. M. Costa, J. Pitt, J. G. Vieira, T. Galvao and J. F. e Cunha. **"Investigating Mobile Quality of Experience in Public Transport"**. Poster presented at The 14th Edition of ACM SIGCHI's International Conference on Human-Computer Interaction with Mobile Devices and Services (MobileHCI), San Francisco, USA, September 21-24, 2012. — 2012

Interests

Technology
Smart Applications, Cross-platform web development, Mobile Computing, Big Data, Internet of Things, Ubiquitous Computing, HCI, Sensor Networks, Smart Cities, Machine Learning, M2M, Cloud computing, Service Design, Innovation.

Hobbies
Snowboard, skateboard, travel, road trips, basketball, music (70's, 80's, jazz, rock, indie rock, but also drum&bass), hang out, friends, have fun, soccer, eat good and drink good (a must for any portuguese!), a bit of surf and an appetite for other extreme sports.