

## PERSONAL INFORMATION



## Nuno Miguel Correia Serra Fernandes

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 +351934568268

 nfgrilo@gmail.com

 <http://nunogrilo.com>

Sex Male | Date of birth 28 May 1977 | Nationality Portuguese

## PERSONAL STATEMENT

I'm a passionate Senior Software Developer with great emphasis on **macOS application development**, and a strong background in Java and LAMP Backends, Web Frontends, Java Desktop Apps, System Administration and Databases. **I always put my love in what I do.** I'm positive, open-minded and determined. I'm always looking for personal and professional self-improvement, **looking for greater and bigger challenges**, and for great opportunities of sharing and learning with the best.

I really love what I do, and people seem to love too! It all started when I self-learned and explored the BASIC programming language on the old ZX Spectrum 48K when I was 8yr old. Since then, I become **tech-savvy** and later graduated in Computer Science back in 2001. I have acquired many experience in different areas (Backends, Frontends, Desktop Apps, System Administration,...) and worked in many different business sectors (Software, Telecommunications, Electronics, Higher Education and Healthcare) so I **easily adapt to new technologies, company contexts and cultures**. I am self-disciplined and self-organized, and my **entrepreneurial spirit** led me to start my own business twice.

Collaborating with the Sakai Community greatly improved my **team work and communication skills** as I really enjoy participating on distributed teams. Being part of the **Paw remote team** allowed me to improve my **collaborative competencies** and mature my developer knowledge. Over the years, I have worked on many different projects, some of them (e.g., ThemeKit, Paw, Flavours) became highly engaging and popular among the community (check these great reviews about Flavours)!

I like to **meditate** in nature, **surfing when the swell is great**, and hanging out with my **family and friends**. I believe productivity is greatly increased when we are positive, open-minded, humble and determined. Pursuing mind-body-spirit equilibrium is key to wellness.

## WORK EXPERIENCE

Sep 2018–Present

**Senior iOS Developer**

Sherpany

<https://sherpany.com>

Sherpany is the next generation software for successful executive and board meetings.

- Development of the Sherpany iOS application
- Agile & Collaborative environment
- 100% remote position

May 2017–Present

**Senior Developer**

Indie Developer / Freelancer

Working on own projects and as freelancer.

- Design, Development and Launch of Epic - Surf Forecast (a surf forecast application for iOS)

Oct 2015–Apr 2017

**Senior macOS Developer [Remote Working]**

Paw SAS

<https://paw.cloud>

Paw is a software development company focused beautifully designed apps that makes interaction with REST services delightful.

- Development of the [Paw](#) application (full-featured macOS HTTP client that allows API testing, documentation and team work)
- Collaboration on the [Paw Documentation](#) site
- User support
- 100% remote position
- Collaborative environment using Slack and GitHub
- Some of the technologies include Swift, Objective-C, C, Carbon, Cocoa, Foundation, CoreData, JavaScriptCore, AFNetworking, PromiseKit, ThemeKit, etc

**Business or sector** Software Development

**Jan 2008–Jul 2016      CTO, Co Founder, Senior Software Developer**

Interacto Labs Inc.

<http://flavours.interacto.net>

Interacto Labs Inc. is a software development company focused on building products for Mac that provide great user experience.

- Company incorporation and other formal/legal activities
- Company IT related solutions for smooth development workflow
- Development of the [Flavours 2](#) and [Flavours Classic](#) applications (Mac theming application composed of a local theme store, an online theme store, a Photoshop-like editor, background agents, helper tools, dynamic code injection for runtime theming):
  - Project planning
  - OS X reverse-engineering (required for understanding the system drawing procedures)
  - Development of application model, logic and presentation, and all related tools, agents and libraries
  - Development of server-side application with RESTful web service API backing the online [Flavours Store](#) for browsing themes, managing users, licenses and activations, notifications, etc
  - Development of multiple in-house tools to aid for rapid and efficient prototype and development
  - Development of [Flavours 2](#) and [Flavours Classic](#) websites
- Servers setup and administration (FreeBSD)
- Company strategic direction decisions

**Business or sector** Software Development

**Nov 2010–Feb 2012      IT Director, Software Developer**

Santa Casa da Misericórdia de Fão

Av. Visconde S. Januário, 4740-325 Fão (Portugal)

<http://scmfao.pt/hospital/>

Santa Casa da Misericórdia de Fão is a healthcare company group comprised of Hospital, Day Nursery, Day Care Centre for the elderly and Retirement Home facilities.

- Responsible for all company IT assets management
- Full replacement of old hospital management system by a new, modern and innovative system
- Responsible for software migration planning and data migration
- Responsible for staff support and software learning coordination
- Virtualization of most servers (Hyper-V)
- Replacement of some desktop PCs by Zero Clients (NComputing)

- Design and network administration/maintenance (Active Directory)
- Maintenance and optimisation of MSSQL servers
- Development of C# desktop applications for internal use
- Development of script applications for automation of system administration
- QA tasks
- Suppliers management
- Other management tasks

**Business or sector** Human health and social work activities

Dec 2005–Oct 2010 **Analyst / Software Developer**

Universidade Fernando Pessoa  
Praça 9 de Abril, 349, 4249-004 Porto (Portugal)  
[www.ufp.pt](http://www.ufp.pt)

University Fernando Pessoa is a higher education public interest organization. I have worked on the Local Learning Management System (LMS) implementation project, and greatly contributed for the Sakai Project community during this period. In 2008, I have been awarded "Sakai Fellow" by the Sakai Foundation, a recognition that rewards the contributions of volunteer contributors.

- Implementation of the Local Learning Management System (LMS) with Sakai:
- - Setup, configuration and maintenance of development and production servers (CentOS)
  - Preparation, Quality Assurance and Deployment of every major/minor production upgrade
  - Implemented monitoring with automated actions on trigger conditions
  - Implemented and fine-tunned load balancing on JVM servers
  - Maintenance and optimization of MySQL servers
  - Development of internal/proprietary Sakai tools:
    - - Interoperability with University's roster service
      - Single sign-on implementation
      - Enterprise services integration
      - Supervisor tool for providing easy workflow process of thesis/dissertations
- Tight collaboration with the Sakai community:
  - - Development of multiple tools for the community
    - Contributed with bug fixes and new features for the main Sakai code and for some 3rd party contributions
    - Participation on the Sakai Quality Assurance process
- Research on using large RDF databases for event tracking
- Participation/speaker in international Sakai conferences
- Maintenance and improvement of local DSpace implementation (B-Digital)
- Wiki documentation about the local project
- User support

**Business or sector** E-Learning

Sep 2003–Nov 2005 **Software Developer, IT Director, Co Founder**

BlueSpan, Lda.  
Rua Luís de Camões, N° 92 - 1º Trás, 3750-159 Águeda (Portugal)

**www.bluespan.pt**

BlueSpan is a startup company aimed to provide electronic and telecommunications intelligent solutions.

- Development of a multi-device management platform
- Specification and implementation of custom communication protocols
- Development of Java and LabVIEW instrumentation software
- Development of Java desktop applications for internal use
- Responsible for all company IT assets management
- Design and network administration/maintenance (Linux)
- QA tasks
- Suppliers management
- Other management tasks

**Business or sector** Electronics and Telecommunications

**Dec 2001–Jun 2003 Software Developer, System Administrator**

Multiwave Photonics, S.A.  
Rua Eng. Frederico Ulrich, 2650, 4470-605 Maia (Portugal)  
[www.multiwavephotonics.com](http://www.multiwavephotonics.com)

Multiwave is a startup offering next generation pulsed fiber lasers, innovative optical sources based on fiber-optic technologies, product design, product development and engineering services.

- Development of device management/configuration software in Java
- Development of Java and LabVIEW instrumentation software
- Development of a stock management application for internal use
- Responsible for all company IT assets management
- Design and network administration/maintenance (Active Directory)

**Business or sector** Fiber-optic technologies

**EDUCATION AND TRAINING****Feb 2002–Mar 2002 Certified LabVIEW Developer (CLD)**

Certification

National Instruments  
[www.ni.com](http://www.ni.com)

Demonstrates experience in developing, debugging, and deploying medium to large LabVIEW applications. Possesses experience of 12 to 18 months developing medium to large applications in LabVIEW.

**Oct 2001–Nov 2001 ILOG JTGO & JViews Training**

Certification

IBM ILOG  
<http://www-01.ibm.com/software/info/ilog/>

Training of the telecom graphics objects product suite of IBM ILOG.

**Feb 2001–Nov 2001 Professional Training Placement (19/20)**

Empresa Nacional de Telecomunicações (EFACEC Group)  
Rua Eng. Frederico Ulrich, 4471-907 Maia (Portugal)  
[www.efacec.pt](http://www.efacec.pt)

Development of a software application for local management of a telecommunication link device.

Sep 1996–Jul 2001

### Licenciatura: Ciências de Computadores (Computer Science)

National classification:  
Licenciatura

Faculdade de Ciências da Universidade do Porto, Porto (Portugal)  
[www.fc.up.pt](http://www.fc.up.pt)

Skills covered:

- programming
- fundamentals
- information systems
- systems and network administration
- web technologies
- ability to, alone or as a team, develop computer applications of reasonable size, with appropriate choice of algorithms, languages, libraries and user interfaces

### PERSONAL SKILLS

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Mother tongue(s) Portuguese

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
	C1	C1	C1	C1	C2
English					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Communication skills

Good communication skills gained through my experience as an active contributor to the Sakai community:

- Participating on periodic meetings via video-conference
- Speaking on International Sakai Conferences
- Daily communication with the community via mail and/or chat

Organisational / managerial skills

- High Adaptability
- Creative Problem-Solver
- Team Spirit
- Self-Organized and Self-Disciplined
- Focused and Dedicated
- Entrepreneurial Spirit
- Work with Love and Passion

Job-related skills

**MAC APPLICATIONS:** I have done complex large macOS applications for over 10 years in Swift, Objective-C and C, mastering Carbon, Cocoa, Foundation, CoreData, JavaScriptCore, AFNetworking, XPC Services and many other system and 3rd party frameworks.

**LAMP BACKENDS:** Have created several server-side applications with RESTful APIs using Apache, Nginx, PHP, Perl, MySQL and PostGres on several Linux distributions.

**JAVA BACKENDS:** High experience building, deploying and testing lots of Java webapps for over 5 years, using SpringFramework, ApacheWicket, JSF, RSF, Velocity, Spring Framework, Hibernate, Acegi Security, SOAP, Ant, Maven, and others.

**FRONTENDS:** Several experience developing frontends applications using HTML, CSS, Javascript, jQuery, and others JS Frameworks for over 10 years.

**JAVA DESKTOP APPS:** Experience developing Java desktop applications using AWT, Swing, SWT,

Eclipse RCP and others, for over 5 years.

**SYSTEM ADMINISTRATION:** High experience designing and maintaining Windows and Linux networks over 6 years.

**DATABASES:** Experience designing, querying and developing for MSSQL, MySQL, PostGres, SQLite and Mulgara databases.

#### Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital skills - Self-assessment grid

#### Other skills

- Passionate surfer
- Meditation lover
- Tech-savvy
- Pursuits self-improvement
- Work with passion
- Always ready to listen
- Look to be happy and positive every day

#### Driving licence

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#### ADDITIONAL INFORMATION

##### Honours and awards

##### Sakai Fellows

Awarded Sakai Fellows 2008 - a distinction that recognizes innovative and quality contributions for the Sakai community - at the 9th Sakai Conference in Paris, June 2008;

The Sakai Fellows acknowledge, celebrate and reward the contributions of important Sakai (now Apereo) volunteer contributors. The Sakai Fellows program seeks to foster community leadership and contribution through recognizing and supporting active contributors. Contributors bring varied expertise to the community, including architecture, design and development of technology, best practices in teaching, learning, research and collaboration, and coordination of community functions. The Sakai Fellows program recognizes such contributions and supports the efforts of the Fellows through a modest stipend.

Sakai Fellows homepage: <https://confluence.sakaiproject.org/display/MGT/Apereo+Fellows>

#### Conferences

Co-presenter of "**Site Stats, the power of event tracking at a single click in Sakai**" at the *3th European Regional Sakai Conference in Valencia* (March 2010).

#### Conferences

Co-presenter of "**My students and shared resources. Design of a Student supervision tool**" at the *3th European Regional Sakai Conference* in Valencia (March 2010).

#### Conferences

Co-presenter of "**UX at UFPUV - People Using Sakai for their Context**" at the *7th Sakai Conference in Amsterdam* (June 2007).

#### Conferences

Co-presenter of "**UFP Tools Development**" at the *7th Sakai Conference in Amsterdam* (June 2007).

#### Conferences

Co-presenter of "**Managing large datastores using RDF databases: an experiment in event**

**tracking**" at 2a Conferência Ibérica de Sistemas e Tecnologias de Informação (June 2007).

#### Testimonials

*"It is also fair to highlight the work carried out by the team responsible for preparing the actual launch of the Virtual University - UFP-UV - in 2008-09, specifically the operational component with Nuno Fernandes, who the Sakai consortium (Massachusetts Institute of Technology - MIT; Harvard University; Stanford University and Michigan University) has just appointed SAKAI FELLOW for his contribution, at UFP, to improving the operationalisation of the e-learning platform we also use."*

Prof. Doutor Salvato Trigo, Rector of University Fernando Pessoa

Source: University Fernando Pessoa News #09, 2008

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*"Nuno has been the main technical lead for the UFP's Virtual University project until his departure in Oct 2010. During his time on the project, Nuno showed unrivaled technical, groupwork and personal skills from which not only UFP but the whole Sakai project benefited. It was a pleasure to work with him, and share the excellent moments the team lived in the past 4 years."*

Feliz Gouveia, Associate Professor at University Fernando Pessoa

Source: <http://linkedin.com/in/nfgrilo>

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*"Nuno is an excellent professional and good character. He served as principal programmer and produce several tools in assisting the UFP Virtual University (UFP-UV) initiative that where considered now part of the software Sakai worldwide. He also made a great job on supporting and maintaining UFP-UV working as the most used digital tool at the university along several years with the overall community high recognition. Additional he gain the recognition from the Sakai Software Foundation by its contribution to the open source community project who provide him with the Sakai Fellow in 2008. As a person, he demonstrates along the years an excellent behaviour and proves to have the technical skills and qualities to excel in complex technical projects."*

Luis Borges Gouveia, Associate Professor (with aggregation) at University Fernando Pessoa

Source: <http://linkedin.com/in/nfgrilo>

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*"Nuno is a high skilled software developer with very good analysis capacity and problem solving techniques."*

David Roldán Martínez, Experienced Information Architect and Open Source Project Contributor

Source: <http://linkedin.com/in/nfgrilo>

#### ANNEXES

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- Certificado-Lic.pdf

## Certificado-Lic.pdf

 **FC**  
FACULDADE DE CIÉNCIAS  
UNIVERSIDADE DO PORTO

960307040

### CERTIDÃO

Face aos respectivos registo, certifico que o aluno abaixo identificado, concluiu em 2001-07-20, com a classificação final de **14 (catorze) valores** o curso indicado.

Aluno: NUNO MIGUEL CORREIA SERRA FERNANDES,

Filiação: MANUEL DO CABO FERNANDES GRILLO,  
OLGA MARIA CORREIA SERRA FERNANDES GRILLO,

Data de Nascimento: 1977-05-28 Nacionalidade (País): Portugal

Bilhete de Identidade: 11039214 / 2002-05-24 / Braga

Naturalidade: Fão / Esposende / Braga

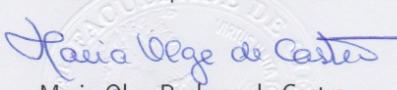
Matriculado em: 1996-09-20  
Curso: CIÊNCIA DE COMPUTADORES  
Ramo: CIENTÍFICO

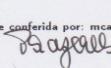
Nos termos do artigo 13º da Lei nº 46/86 de 14/10, é-lhe conferido o grau de Licenciado  
A respectiva carta de curso já foi requerida, tendo sido pagas todas as despesas inerentes.

A presente, vai autenticada com o selo branco da Faculdade de Ciências da Universidade do Porto, e contém uma folha(s).

Faculdade de Ciências do Porto, 30 de Abril de 2003

A Técnica Superior de 1<sup>a</sup> classe

  
Maria Olga Pacheco de Castro

Emitida e conferida por: mcardoso  


Em: 30/4/2003 11:44:19  
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