**Bruno Ferreira Bernardo**

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**EDUCATION**

2001 **Faculdade de Ciências da Universidade de Lisboa Lisbon, Portugal**

Bachelor in Applied Mathematics - Statistics and Operational Investigation

**EXPERIENCE**

2023-2024 **Oneview Healthcare Dublin, Ireland**

(~5 months)

(InPatient and Healthecare solutions)

**Senior Software Engineer**

* Implement, maintain, and upgrade .Net Core 3.1, 6.0, and 8.0, microservices and API Gateways using NServiceBus with RabbitMQ, SignalR with Redis and MSSQL backplanes, Ocelot, Azure, Mirth and HL7, Octopus Deployment.
* Mentoring junior development team through code reviews, trouble shooting, and architecture and design sessions for backend, frontend (Xamarin Forms and React) and DevOps (Azure pipelines, containerization).

2018-2023 **Hyph**   **Dublin, Ireland**

(~5 year)

*(Music Software)*

***Senior Software Engineer***

* Backend development, maintenance, and (re)architect: Java (Play Framework), Python (FastAPI), PostgreSQL, Redis, Docker, Heroku, Amazon S3, Cloundfront
* Frontend development and maintenance: Javascript, JQuery, TypeScript, Electron, Angular 2+
* Cross-platform sound library: JUCE framework, iOS, Android, C/C++ FFI to Flutter, CMake, Gradle, low level library linking

2015-2018 **Oneview Healthcare**   **Dublin, Ireland**

(~3 year)

*(InPatient and Healthecare solutions)*

***Senior Software Developer***

* Porting backend to microservices using .Net Core, NServiceBus and MSMQ, Azure Hosting, Azure DevOps.
* Maintain and improve ASP.Net and MVC applications.
* Maintain and improve build scripts using TeamCity and MSBuild.
* Maintain and improve setup software using Wix toolset.
* Implementing Unit and Integration test on existing solution.
* Porting client logic PCL to allow cross-platform deployments: WPF, Xamarin iOS and Android.
* Mentoring junior team members and technical leadership.

2012-2015 **Escher Group Dublin, Ireland**

(~3 years)

*(Postal Software Solutions)*

***Solution Architect, Software Developer, Prototyping***

* Concept, design & implementation of new cross-platform application engine for counters, mobile and web solutions based on company owned message-based system. Using .Net Compact Framework, Xamarin for iOS, Android, .Net 4 and Windows Phone.
* Design and development in a project for USPS counters system based on company owned message-based system and POS integrated system. Using proprietary IDE and language (CashierPro and workflow based), VS 2010 .Net and debugging core processes in C/C++, VB6 and MFC.
* Architect and researcher for the development of a Track & Trace Solution based on company proprietary message system and international postal services standards (UPU). Using VS 2010 & 2012, .Net 4.5, C# 4.0, MSSQL, LInQ, EntityFramework 5.0, OData 3.0, MVC 4.
* Review of internal coding standards and good practices (.Net, C#, ASP.Net, WCF Service). Junior team mentoring and technical leadership.

2009-2012 **HelpOnBiz Lisbon, Portugal**

(~3 years)

*(Software Development and IT Outsourcing services)*

***Solution Architect, Legacy Maintenance, Software Developer, R&D***

* Architect, researcher and developer of a dynamic, runtime configurable, process-driven BMP solution. Using VS2010, .Net 4.0, C# 4.0, SQL2008, WCF (Data Services, ADO.Net, OData), LInQ, Entity Framework (4, 4.1, Code First Fluent API), Dynamic compilation, Reflection, self-hosted Web Services and HTTP request handling, Silverlight, JavaScript & JSON, jQuery, Sencha, Ajax, Threading.
* Internal and external consulting on architecture and technology advising on various projects.
* Research and testing upcoming technologies and platforms. OS (Chrome OS, Windows 8), Web (MVC, HTML 5, CSS3) and Mobile (Windows Phone, iOS, Android).
* Senior developer in a solution for Automóvel Clube de Portugal suppliers BMP and billing. In VS2008 using ASP.Net 2.0, C# 2.0, Ajax, JavaScript, Infragistics Web UI Controls and SQL2008.
* Researcher and developer of a driver and front-end application to send SMS messages through a GSM modem using GSM protocol. VS2010 using .Net 3.5, C# 3.0, C++, WPF, LInQ, based on Serial Ports and Threading.
* Internal training in various .Net and .Net based Microsoft technologies: Silverlight (all versions), RIA Services, Entity Framework (all versions), LInQ, WPF, WCF, .Net 3.0, 3.5 & 4.0, Windows Phone.
* Maintenance of legacy solutions in production on Classic ASP and VBScript.
* On site development and maintenance on various technologies and environments.
* External training on Silverlight, WPF, WCF, Entity Framework, ADO.Net, OData, RIA Services, JavaScript (DOM fundamentals), Client-Server Solutions.
* Technical leadership and mentoring.

2010  **eCorpOne Tokyo, Japan**

(~2 months)

*(IT and Development)*

***Software Architect & Developer, R&D***

* Implementing an automatic vending machine (POS) and its communication with various devices (cash machine, bar-code reader, thermal printer).
* Driver implementation using .Net 3.5, C# 3.0, C++, COM Port socket streaming.
* UI developed in .Net 3.5, WPF and MVVM.
* Back-office communication via Web Services 1.0.

2008-2009 **AmbiSIG Lisbon, Portugal**

(14 months)

*(Software Development and Geographic Information Systems)*

***Software Developer, R&D***

* Research & Development on new technologies. Microsoft Surface, Silverlight, WPF, 3D, device drivers, code base improvement, defining internal best practices and programming rules.
* Senior developer in maintenance and feature implementation of public water service billing web based application. In VS2003 using, ASP.Net 1.1, SQL2000.
* Developer in a solution for municipality account management. In VS2005 using, SQL2005, ASP.Net 2.0, C# 2.0, Crystal Reports, Telerik Web UI Controls.

2007-2008 **Trinómio, Lda. Lisbon, Portugal**

(1 year)

*(Accounting services)*

***Accountant, solicitor***

* Small and medium companies accounting.
* Public company registrations.

2001-2006 **Oni Telecom Lisbon, Portugal**

(6 years)

*(Internet and phone line services)*

***Service failure and maintenance back-office***

* Hazard handling and forwarding.
* First contact screening.
* Team lead. Shift and SLA Management.

**TECHNICAL SKILLS**

* Programming Languages: C# (1-12), HTML, XHTML, HTML 5, Javascript & JSON (cross-browsing), T-SQL, VB6, VB.Net, XHTML, MVC Razor, TypeScript, Python, C, C++, Assembly, Rust, Java, Go!, Dart
* Web Frameworks: Angular, Vue, React, Vite, Svelte
* IoT & Electronics: Raspberry Pi, Arduino, TTL
* Technologies: .Net Framework (1.0-Core 8.0), Web Services (ASP.Net and WCF), RIA Services, SOAP, XML, OData, oAuth (1.0-3.0), Entity Framework, Code First Fluent API, LInQ, WIF, WCF, WPF, Silverlight (all versions), MEF, MVVM, MVC (1-Core), public social APIs and integration (Windows Live, Google, Facebook, Yahoo!, Twitter, eBay), .Net Reactive Extensions (Rx), IoC & DI, Windows Azure, IIS (5, 6, 7, 7.5, Express), Windows 8 Store App, UWP, Angular JS & 2+
* Database Systems: SQL Server 2000/2005/2008/2012, ORACLE, MySQL, PostgreSQL, Redis
* Operating Systems: MS Windows (98, 2000, XP, Vista, Embedded, 7, 8, 10, 11), Windows Server(2003, 2008, 2012), Mac OS X (as user), iOS, Windows Phone, Linux, BSDs.
* Other: Visual SourceSafe 2005, Team Foundation Server (2010)
* Other technologies followed: Hyper-V, App-V, MVC, Android, iOS, PHP, PERL, NoSQL, Scala, Kotlin, Unity, SharePoint, Active Directory, WMI, Windows 7 Integration Features, WebMatrix

**OTHER SKILLS AND EXPERIENCE**

* Microsoft Community Contributor on MSDN .Net forums (<http://social.msdn.microsoft.com/profile/bigsby/>)
* Agile (SCRUM, Kanban)
* High motivational and team leading skills
* Broad knowledge of Web related technologies such as HTTP, HTML, XML, Javascript, Web Services, OData, AJAX, OAuth, JWT, SOA solutions
* Various trainings and conferences by Microsoft on ASP.Net, SQL, Windows Phone, Windows Azure, Silverlight, WPF, WCF, Entity Framework, OData, WF, IIS7
* Some experience as a teacher/trainer

**COMMUNICATION SKILLS**

* Very strong knowledge of Portuguese (native language)
* Very strong knowledge of English (spoken and written)
* Basic knowledge of French (read and spoken) and Spanish (spoken)

**PERSONAL DETAILS**

Date of Birth 10 November 1975

Nationality Portuguese

Gender Male

Interests Music (jazz trombone player), Sports (rugby ref), Low Level Electronics and Computing.