

# Anderson Konzen

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*Software Engineer with over 7 years of experience in both design and programming, I have already worked on several areas - from building websites to automotive systems, embedded systems to desktop applications. What I most like on all the opportunities I had is that I can always work with new technologies and new people.*

## Expertise

- Programming: C, C++, C#, Python
- Version control: git, Subversion
- Communication skill with multidisciplinary teams
- Followership and organizational diplomacy
- Automotive communication protocols and vehicle diagnostics

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C/C++ STL, MS Visual Studio 6/2003/2005/2008/2010, Windows, Linux	5 years
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C#, .NET Framework, Bugzilla, HP Quality Center, Eclipse IDE, XML, NSIS (Nullsoft Scriptable Install System), Vector CANalyser	3 years
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.NET Compact Framework, Subversion, git, JavaServer Pages, PHP, ASP, VMWare, Java SE, Python, PostgreSQL, SQLServer	2 years
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JBoss, Oracle DB, MySQL	1 year
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## Professional Experience

HEWLETT-PACKARD | PORTO ALEGRE, RS, BRAZIL

*The world's largest technology company, HP brings together a portfolio that spans printing, personal computing, software, services and IT infrastructure at the convergence of the cloud and connectivity, creating seamless, secure, context-aware experiences for a connected world.*

Jul 2010 -  
Feb 2012

### Software Engineer

As a software engineer, worked on the design and development of embedded software solutions for a new family of Laserjet enterprise products – network scanners, single and multi function printers. The HP FutureSmart, as this set of solutions is called, is a firmware developed with the intention to simplify management, unify test across fleet of devices, enhance security features and reduce customer support costs.

- Developed, maintained and tested code for the UI layer (control panel), including new features and bug fixing.
- Development with .NET technologies (C#, .NET 3.5 and Compact Framework); HTML5 and WebServices.
- Program/project with large-scale agile development principles: Scrum meetings, continuous integration, automated tests (unit and system).
- Rigorous version control using git - one codebase for all products.
- High interaction with multidisciplinary teams - Human Factors Engineers and System Engineers - to define and plan new features.
- Due to the geographical distribution of the teams, worked with colleagues from the U.S. and India on a daily basis.

### Achievements

Delivered important features for the firmware - UI/control panel, including escalations from major HP customers.

ACTIA DO BRASIL | PORTO ALEGRE, RS, BRAZIL

*ACTIA Group is a major player in two principal areas of expertise: electronic diagnostics and garage equipment for repairing and testing vehicles, and on-board systems for commercial, industrial, agricultural and military vehicles. ACTIA's expertise spans from designing products to supporting and servicing them in the field. Innovation is backed by 15% of the turnover invested in Research & Development, and by the performance of almost 400 engineers in design centres of excellence throughout the world.*

Apr 2007 -  
Jul 2010

### Technical Leader

As a technical leader, was responsible for two projects/products of the Diagnostic Business Unit.

- Planned, developed and tested a new web-based automotive diagnostic system for Fiat do Brasil. Server side was developed with Java/JBoss/Oracle DB (OS agnostic) and client-side with C++/wxWidgets (Windows).

- Technically coordinated a team of 6 developers, distributed among the projects of the business unit.
- Interacted with teams of other subsidiaries, located in France and Germany, for development and integration of systems.

#### *Achievements*

Delivered a new web-based automotive diagnostic system for Fiat do Brasil, improving quality of service, rate of resolved tickets and customer satisfaction. More than 400 official Fiat dealers in Brazil use the new system, which became a reference inside the Fiat Group. The same system also became a reference for the Actia Group, being adapted and used in other projects.

Feb 2005 -  
Apr 2007

#### Software Engineer

As a software engineer, worked on the development team of several projects of the Diagnostic Business Unit.

- Developed, debugged, tested and maintained automotive diagnostic systems (EDI NG for Fiat do Brasil and Actia Multi-Diag) using mainly C/C++/XML programming.
- Maintained and bug fixed firmware for VCI (vehicle communication interface). Large usage of C and automotive communication protocols.
- Developed, debugged and maintained a digital video capture system for automotive surveillance using C and embedded Linux (hardware) and Borland C++/Microsoft DirectX (media player).
- Experience with automotive communication protocols (CAN, Keyword Protocol 2000, ISO 9141).

#### *Achievements*

Delivered several updates for Fiat's diagnostic system to broaden the diagnostic coverage to new vehicle models. These updates were deployed to the entire dealer network of Fiat do Brasil.

W3HAUS | PORTO ALEGRE, RS, BRAZIL

*W3Haus is a communication agency that creates campaigns for brands using the most innovative and current digital mediums. Between its clients are Petrobras, Kraft Foods and VH1.*

Sep 2003 -  
Jan 2005

#### Web Developer

Development of websites and intranet systems mainly using PHP/ASP/C# and PostgreSQL/SQLServer.

## Education

2010 - ...

M.Sc. in Electrical Engineering at Pontifical Catholic University of Rio Grande do Sul - PUCRS, Porto Alegre, RS, Brazil  
*In Progress.*

2006 - 2007	Postgraduate Certificate (PGCERT) in Business Administration at Fundação Getúlio Vargas - FGV, Porto Alegre, RS, Brazil
1999 - 2004	B.Sc. in Computer Engineering at Federal University of Rio Grande do Sul - UFRGS, Porto Alegre, RS, Brazil

## Languages

- Portuguese (Native language)
- English (Professional working proficiency)
- French (Elementary proficiency)

## References

Available upon request.