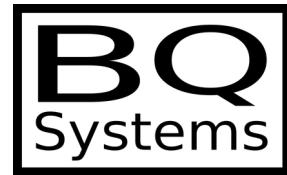


Paul Becue

Sint-Paulusstraat 37 bus 0201
B-8400 Oostende
+32.477.42.08.18
paul.becue@gmail.com



bqsystems.be

Professional objectives

- IT consultancy
- Business software solutions
- Embedded software solutions:
 - Projects of embedded systems, Internet of Things.
 - Embedded systems coupled with mobile clients and server software.
 - Python, C++ and Java software development
 - Embedded Linux
- Mobile devices and development:
 - Full stack development
 - Backend with Python: Flask, FastAPI
 - Web Frontend: Vue.js, SPA, HTML, CSS, Javascript
 - Standalone development with Kivy, Qt, ...
- Web development: WordPress, Vue.js, HTML, CSS, Javascript, Bootstrap, Tailwind css, Uno.css
- Integration of systems
- GIS development:
 - GIS software development
 - Dedicated route planning for companies
- Build and test automatisation, simulation, hardware-in-the-loop systems
- Business workflow automation
- Research projects and proof of concepts
- Robotica projects and artificial intelligence
- 20 years of experience in leading and working with people
- Experience with Python, C++, C#, .NET, Java, PHP, SQL, Qt, Android, HTML, CSS, Javascript, jQuery, Vue.js, Bootstrap, Git, Microcontrollers, Word, Excel, Adobe InDesign, Gstreamer and MicroPython
- Open for dialogue, new ideas and technologies
- Looking forward for challenging projects

Technical Expertise

- Master in engineering
- Knowledge of Linux, Windows, MacOS, iOS, Android, Embedded Linux, Linux drivers
- Experience with Embedded Linux, Linux, Yocto, Buildroot, Android, ChromeOS, Embedded Windows
- Software development with Python, HTML, CSS, Javascript, web frameworks, MicroPython, Qt, C++
- App development with Cross Platform Tools and Android
- Development of software and hardware architecture
- Version control systems with Git and SVN
- Back-end development with embedded servers
- Polling and push systems, messaging systems with redis, SIP, XMPP, MQTT and websockets
- Voice and video systems
- Hardware interfaces and software drivers to hardware interfaces in Linux
- Many years of experience with Windows systems and software
- Building and install PCs, embedded devices and microcontrollers

- System administration on Windows and Linux
- Experience with wired and wireless networks and all kind of protocols involved
- Test automation: building and maintaining real time test system and test software, test automation in automotive industry
- All kinds of simulation with Python, C and C++

Human skills

- Leading a group of people and making a team from a group of individuals
- Make people grow
- Training and coaching people

Career

- | | |
|---|-----------|
| • Consultant (Partool, Oesterbank, Bosschaert) | 2023-2024 |
| • Welding program for Universal Robots for Partool, Oostende | 2022 |
| • Starterslabo with VDAB - 18 months | 2021-2023 |
| • Embedded Developer
Marelec Nieuwpoort | 2020-2021 |
| ○ Software for simulation of Marelec Portio for Sales department in C++/Qt | |
| ○ Setting up system for regression tests for software on Jenkins server in Python and Shell scripting | |
| ○ Setting up automatization and unification of software builds | |
| ○ Issue solving for Marelec embedded software in C and C++ | |
| ○ Research for future improvements for the embedded system | |
| • Consultant
Verotech Leuven | 2015-2019 |
| ○ Real time test system for controllers in the automotive industry - Dana Bruges | |
| ○ Development of hard- and software for an audio based embedded system in the agriculture sector | |
| • R&D Engineer
Televic, Izegem | 2012-2015 |
| ○ Base embedded Linux system for Televic Plixus system | |
| ○ System for video broadcasting to Android device based on XMPP protocol | |
| ○ System for voice communication based on SIP protocol | |
| • 7 years of freelance projects | 2005-2011 |
| ○ Remote control with embedded systems | |
| ○ Web based accountancy system written in PHP | |
| ○ System for digital signage driven by mobile app | |
| ○ Video surveillance system | |
| ○ System for remote measuring of heating costs | |
| ○ Fast sound playback system | |
| • Parish Priest Harelbeke | 1997-2012 |
| • Grootseminarie Brugge | 1993-1997 |
| • Candidature Unique en Philosophie
UC Louvain | 1992-1993 |
| • Assistant Electric Engineering - KU Leuven | 1989-1992 |
| ○ Field oriented system for high dynamic control of electric AC motor | |

Studies

- Burgerlijk elektrotechnisch-werktuigkundig ingenieur (richting elektrotechniek – optie elektronica: regeltechniek) – K.U. Leuven - 1988
- Candidat en Philosophie + Sacrae Theologiae Baccalaureum – Université de Louvain - 1992 – K.U. Leuven - 1996

Courses last years

- Embedded Linux System development Training, organised by Free Electrons - <https://bootlin.com/>
- Fast Track to Sencha Touch organised by Sencha, Inc. - www.sencha.com
- Programming HTML5 Applications organised by U2U - www.u2u.net
- Learning .NET programming - C# Essential Training - C# Design Patterns - lynda.com
- Basisopleiding agenten stralingsbescherming klasse III toestellen
- DevOps in action: SD-WAN, Infrastructure as Code, GitOps and zero trust security
- Web development: HTML, CSS, javascript, web frameworks
- Visual Studio Code
- Angular
- Vue.js

Read Books last years

- Gargenta, M., and Nakamura, M.. 2014. Learning Android - 2nd Edition. Sebastopol: O'Reilly Media.
- Roa S., 2012. Teach Yourself C++ in One Hour a Day - 7th Edition. Pearson Education, Inc.
- Downey A., 2012, Think Python. Sebastopol: O'Reilly Media.
- Bayle J., 2013. C Programming for Arduino. Packt Publishing.
- Banzi M., 2011. Getting Started with Arduino, 2nd Ed. Sebastopol: O'Reilly Media.
- Barnes D., Kölking, 2002 Objects First with Java. A Practical Introduction using BlueJ. Pearson Education, Inc.
- Saint-André, P., Smith, K. Et all, 2009. XMPP: The Definitive Guide. Sebastopol: O'Reilly Media.
- Downey, A., 2012. Think Complexity. Sebastopol: O'Reilly Media.
- Taymans, W., Kaker, S. Et all GStreamer Application Development Manual
- Fraser, N., 2009. Differential Synchronization.
- Yaghmour, K., Masters, J., 2008. Building Embedded Linux Systems. Sebastopol: O'Reilly Media.
- Hildebrandt, R., Koetter, P., 2005. Book of Postfix. No Starch Press.
- Lafore, R., 2002. Object-Oriented Programming in C++. Sams Publishing.
- Rohaut, S., 2009. Maîtrisez l'administration du système. Eni éditions.
- Salavador, O., Angolini, D., 2014. Embedded Linux Development with Yocto Project. Packt Publishing.
- Doug Hellman, 2018. Python Module of the Week.
- Dan Bader, 2018. Python Tricks.
- Rick Van Hattem, 2016. Mastering Python.
- Kurose, Ross, 2012. Computer Networking. A Top Down Approach.
- Jackson, W., 2012. Android for Absolute Beginners.
- Free Electrons, 2014. Embedded Linux system development.
- Robert Johansson, 2015. Numerical Python.
- Bill Lubanovic, 2014. Introducing Python.
- Lawhead Joel, 2019. Learning Geospatial Analysis With Python, 3 Ed., Packt Publishing.
- Victor Hugo Garcia, 2023. Getting Started with Angular, Create and Deploy Angular Applications, Packt Publishing.
- Wilken Jeremy, 2018. Angular in Action, Manning.
- Govindaraj Siddharta, 2015. Test Driven Python Development, Packt Publishing.
- Ninja Squad, 2023, Become a ninja with Vue, Ninja Squad.
- Bill Lubanovic, 2024, FastAPI, O'Reilly Media, Inc.
- Roberto Ulloa, 2015, Kivy - Interactive Applications an Games in Python, 2nd Edition, Packt Publishing.
- Evan You, Vue Guide, 2024, Online.

Languages

- Active knowlegde of Dutch, French, English
- Passive knowlegde of German and classic Humaniora
- Knowlegde of Greek and Hebrew
- A year of study in French (Louvain-la-Neuve)

PC knowledge

- Office and OpenOffice
- IntelliJ, PyCharm, Webstorm, IDE's Eclipse, Android Project, Qt Creator, Visual Studio, Visual Studio Code
- All kinds of processing programs: photo, video, text, synchronization, servers
- System administration with Python.
- Linux desktop and Open Source alternatives for many software packages

Various

- birth place and date: Kortrijk, 9 augustus 1965
- driving license A and B

References on demand