

Résumé

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André Burgaud

Professional Summary

Engineering leader highly experienced in all stages of design, coding, testing, and delivery of software. Background encompasses law enforcement, telecommunication, education and retail business domains with pragmatic involvement in the following technical areas: web development, distributed systems, security, messaging, and networking for complex software deployed on UNIX/Linux and Microsoft Windows operating systems, or cloud platforms.

Technical Skills

- **Programming Languages/Technologies:** Python, Go, Java, JUnit/Spock, Gradle/Ant, JavaScript, Adobe Flex (Flash), Groovy/Grails, Scala, BeanShell, C#, C, C++, Visual C++ (MFC, Win32 SDK), Perl, Shell Scripts, Tcl/Tk, Expect, HTML/XHTML, XML/XSL, T_EX/L^AT_EX, COBOL 74.
- **Development Environments:** Eclipse, IntelliJ, NetBeans, Visual Studio, VI, Git, Mercurial, CVS, Subversion, PVCS Dimensions.
- **Cloud Technologies:** Docker, Google Cloud Platform, AWS.
- **Server Applications:** RabbitMQ, Cramer (Amdocs), NetProvision Activator (Subex), WebLogic Server, Spring Framework, Tibco rendezvous, Rational RequisitePro/RequisiteWeb, Microsoft Exchange Server, Internet Information Server (IIS), Apache Tomcat, Nginx, Apache Web Server, Xpedio (Stellent/Oracle).

- **Databases:** Microsoft SQL Server, Informix, MySQL, Oracle, SQLite, Microsoft Access, IDS2 Database DMIV (Bull).
- **Operating Systems:** Windows, UNIX/Linux, Mac OS X.
- **Network:** ATM, Frame Relay, DSL, VC Aggregation, Ethernet, Alcatel (RSP/ESE 7600), Cisco (BPX 8600 Series, MGX 8220, 6400, Catalyst 7609-6509-3750-3550, Router 7613, DSLAM 6160) and Lucent (CBX 500, B-STDIX9000, GX 550).

Experience

Infinite Campus (June 2022 - Present)

Chief Technology Officer

Oversee the Technology Foundations organization, including Infrastructure, Security, Automation, Central Services, APIs, UI/UX, Architecture, and Data Science.

SPS Commerce (August 2019 - June 2022)

Sr. Manager, Development

Manage the web development teams implementing and delivering the SPS Assortment product.

Best Buy (June 2018 - July 2019)

Senior Engineering Manager

Led the team designing and developing the frontend and e-commerce systems powering the online shopping experience of Best Buy customers in Mexico.

Infinite Campus (January 2010 - June 2018)

Software Development Manager

Managed a team of fifteen to twenty software engineers, QA analysts, and software product analysts. Responsible for the development of Infinite Campus products software infrastructure: Front-end, back-end, middleware frameworks and libraries, performance, and security.

Infinite Campus (November 2008 - December 2009)

Lead Software Engineer

Led the development of Infinite Campus infrastructure, messaging systems, synchronization mechanisms and communication with external systems using SIF (Schools Interoperability Framework). Infinite Campus is an advanced student information system (SIS), designed to support all ranges of student data collection within a K12 educational system.

Qwest (March 2008 - November 2008)

Staff Software Development Engineer - Inventory System Team

Managed a team of six full-time employees and 25 contractors (onshore and offshore) building and maintaining the Qwest network inventory systems. Estimated and prepared projects plans. Facilitated interaction, collaboration, and communication with the users, testers, other development teams, and third-party vendors. Provided technical direction and mentoring.

Qwest (February 2001 - February 2008)

Staff Software Development Engineer - Configuration Management Team

Led architecture, design and development of applications dedicated to automating the activation of network switches in support of Qwest ATM, Frame Relay, DSL and Ethernet networks. Gave technical direction and provided mentoring to a team of 5 to 10 developers in an environment allowing fast software evolution to face the frequent releases of new network technologies. Developed solutions relying on Syndesis Netprovision Activator.

RESoft, Inc. (November 2000 - February 2001)

Lead Software Development Engineer

Designed and developed REDocs components. Based on Xpedio, Content Management System from Intranet Solutions Stellent, REDocs provided customized web-based documentation management for real estate and legal companies.

RCM Technologies, Inc. (August 1999 - November 2000)

Information Technology Consultant

- Designed and developed a network activation component for the U S West Network Management System. This application provided automated network element activation via NetProvision Activator from Syndesis.
- Prepared and managed the requirements for a network fault management system, a major component of the OSS at U S West. Installed and customized a bug tracking server, Bugzilla, to manage software defects.

French Gendarmerie Nationale (December 1989 - July 1999)

Analyst/Programmer

As a developer in the Network and Telecommunications Department of the headquarter of French Gendarmerie Nationale, was involved in several projects aimed at providing secure, reliable and fast data communication to *Gendarmes* (Police Officers). Responsibilities included writing specifications, proposing architecture, coding, testing and documenting software. The most significant achievement was a messaging client connected to a private cellular network (RUBIS). This C++ MFC application ran on Windows NT.

Education-Courses

- **FutureLearn:** Functional Programming in Haskell (2017), Functional Programming in Erlang (2017), Getting a Grip on Mathematical Symbolism (2017)
- **FUN-MOOC:** Introduction to Functional Programming in OCaml (2016)
- **edX:** Introduction to Typescript (2016), Intro to Functional Programming (Haskell) (2015), Introduction to MongoDB using the MEAN Stack (2015)
- **Coursera:** Cryptography and Information Theory (2017), Google Cloud Platform Fundamentals: Core Infrastructure (2017), Fibonacci Numbers and the Golden Ratio (2017), Functional Program Design in Scala (2016), Getting and Cleaning Data (2016), Cybersecurity Specialization (2015), R Programming (2015), Data Scientist's Toolbox (2015), Cryptography 1 (2014), Functional Programming Principles in Scala (2014), Introduction to Mathematical Thinking (2014)
- **University of Minnesota:** Business Analyst Certificate (2014)
- Knowledge Transfer Consulting Services, Inc. (2004): Microsoft Course 2310 Developing Microsoft ASP.NET Web Applications Using Visual Studio .NET
- **Premier Computer Education, Inc. (2003):** Microsoft Course 2124 Programming with C#
- **Java 2 Platform 1.4 Sun Certified Programmer** (2003)
- **ZDU University (1999):** XML: An Introduction, Java Programming Level Two, Java Programming Level One.
- Microsoft France (1993): Visual C++: Microsoft Foundation Classes, C++ Programming.
- Learning Tree International (1990): Practical approach to the UNIX System, Programming in C - Practical work.

- French Army Higher Institute Of Electronics (1989 - 1990):
 - **Technical Certificate (2nd Level) in Automatic Data Processing:** System Analysis (SDMS & Merise), COBOL, Mini 6 Assembly, Database DMIV, Mainframe Bull DPS6 (GCOS 6).
 - **Technical Certificate (1st Level) in Automatic Data Processing:** COBOL, LCP, Mainframe Bull DPS6 (GCOS6).

Miscellaneous

- **Personal Projects:** On my spare time, like to *play* with programming languages, software and technologies. Some projects are available on Burgaud.com, GitHub, or DockerHub.
- **Author:** Write technical articles for Real Python
- **Languages:** Fluent in French and English.
- **References:** Available upon request or on LinkedIn.
- **Other Interests:** Cycling, Tai Chi Chuan.