Eric Girard

IT Director / Software and Electronic Developer
Saint-Édouard, QC J0L1Y0
eric.girard.1975@gmail.com
5145159673

I'm a highly motivated and proactive individual who enjoy learning and applying new technology. Multidisciplinary (software development, electronic design, mechanical design, IT). I'm self-educated in any fields that I have an interest (3D Printers, CNC machining, 3D design, 3D animations etc). I love to work with people and small teams. My work experience allowed me to develop and hone the skills required to tackle almost any project : planning, budget, resources management, follow up. I also learned to be as efficient as possible in order to maximize productivity : AGILE workflow, unit tests / automated tests, continuous integration. My vast knowledge in many fields allow me to come up with solutions that are well-thought, realistic and often unique.

Work Experience

IT Director

Locweld - Candiac, QC
November 2011 to Present

• Responsible for the whole IT / Software development (Planning, Budget, Projects, Employees Management)
• Identify, design and implement new opportunities (software and hardware)
• Leverage new technologies (Virtualization, Cloud, Container, Machine Learning)
• Long-term strategic objectives / plans
• Define in-house softwares requirements, architectures and implementation
• Automate low-value tasks
• Define and maintain Disaster Recovery plan to ensure operations continuity / protection of company data
• Support other departments in their technology requirements

Software / Automation Developer

Locweld INC. - Candiac, QC
November 2003 to November 2011

Accomplishments:
• Wrote in-house software that run in parallel with our ERP and handle all production tasks (inventory management, time estimate, operations, material optimization, CNC file generation)
• Replaced aging UNIX manegement software with in-house software
• Implemented barcodes and supporting hardware / software (operations, inventory, user bage, machines)
• Replaced existing infrastrucure (UNIX + Novell) with Windows Server / domain
• Virtualized all physical server infrastructure
• Automated low-value tasks
• Designed and implemented security system (RFID scanners, gates / door controls boards + firmware using CAN bus communication)

- Designed electric galvanizing tank monitoring system (1.2MW power monitoring)
- Designed and implemented backup and disaster recovery system (local / offsite)

Software / Hardware Developer
ServoMecanik Inc. - Brossard, QC
September 1996 to November 2003

ServoMecanik was started in 1996 with a goal a providing advanced and affordable CNC machines, mostly in the metal manufacturing field. Being a really small company (2) allowed me to learn a lot about running a company. My partner was responsible for mechanical design while I was responsible for the electronic and software design, allowing us to tackle almost any project.

- Designed CNC controller system (motion board, computer, control software) for our mainline CNC product (XY metal cutting table) from scratch - this gave ServoMecanik a huge financial advantage as the whole machines where designed / built in-house and more advanced than our competitors (touchscreen, color screen, in-machine parts drawing / nesting) (Watcom C++, assembler, PIC microcontroller assembler, Orcad PCB design)
- Designed plasma torch automatic height control module
- Performed level 3 customer support / service

Education

BAC (Partial) in Génie de la Production Automatisé (GPA)
Ecole de Technologie Superieure (ETS) - Montréal, QC
September 1995 to August 1997

DEC in Technologies de Systèmes Ordinés (TSO)
CEGEP Lionnel-Groulx - Sainte-Thérèse, QC
September 1992 to June 1995

Skills

Agile workflow (JIRA,Confluence,git,Teamcity,Resharper) (10+ years), C# (10+ years), Microsoft Hyper-V / Failover cluster (10+ years), Autodesk Inventor (4 years), Visual Studio up to 2017 (10+ years), Server management - Windows Server, storage, network, Active Directory (10+ years), Backups / Disaster Recovery (8 years), 3D Printers (FDM, Resin) (5 years), C++ (10+ years), Python (2 years), Desktop Authority (10+ years), Windows XP/7/8/10, Office 2003-2016, Project (10+ years), Microsoft Exchange 2007/2013 (10+ years), STM32 MCU (2 years), OrCAD / Cadence (10+ years), Altium - Basic skills (4 years), Simplify 3D (4 years), Fusion 360 (2 years), Project Management (10+ years), Strategic Planning (10+ years), Linux (Ubuntu Server / Desktop, Debian Server) (3 years), Microsoft Azure (Virtual Machines, A/D replication) (5 years), Docker (1 year), CNC Control - board design, control software (10+ years), Eletronic design (10+ years), SQL Server (10+ years), MySQL / Postgresql (5 years), Assembler (motorola,microchip) (10+ years), Adobe Photoshop, Premiere, Blender 3D, Network Administration, Strategic Planning, SQL, exchange, Customer Service, HTML, REST APIs (10+ years), IoT (Internet of Things) (6 years)

Links

https://eric-girard.ca

https://ericgirard.smugmug.com/Portfolio/

https://www.linkedin.com/in/eric-girard-44b7278/

https://www.youtube.com/channel/UC8aBpaeieGcybUJ4CbVlgfg?view_as=subscriber

Certifications/Licences

Lean Six Sigma Yellow Belt

Lean Six Sigma Green Belt (in progress)

Private Pilot

Groups

R/C Airplane club
January 2000 to June 2014

Club M.A.R.S located near Terrebonne

• Aerobatic competitions (40% scale airplane)
• Designed custom boards for my airplanes (locators, power monitoring)
• Instructor for new members
• Secretary of the club for 4 years
• Treasury of the club for 3 years
• President of the club for 4 years

ETS - Walking Machine Robot
June 1995 to September 1996

• Developed machine vision using custom board designed around a motorola 68340 CPU and a logitech webcam (parallel port). Signed an NDA with Logitech to get the proprietary communication protocol documentation which was then implemented by the custom board.

Additional Information

Bilingual - Native French, English as 2nd language (spoken, written)