
PRINCIPAL EMBEDDED SOFTWARE ENGINEER RESUME

Brian Harrington
3922 Private Lane
Albany, GA 31701
(123)-772-8316
Email : [email]

Career Goal:

To be able to work in your organization as a Principal Embedded Software Engineer where I can fully utilize my skills in Embedded C, C#.NET, MATLAB and Python

Technical Skills:

Expertise in network protocols:

- LTE
- Ethernet
- SNMP

Specialist in network management tools:

- OMADM
- FOTA SNMP

Dexterity in middleware tools:

- OpenOCD
- Snoop
- Gnu

Quick and excellent in microcontrollers:

- PIC
- Digital
- Freescale Imx6

Functional knowledge of CAD tools:

- Google Sketch up
- SolidWorks
- AutoCAD Inventor

Good knowledge of PCB designs:

- Eagle Layout
- ORCAD
- Autotrax EDA

Agile and immaculate in TCP/IP protocols:

- DNS
- Route summarization
- FTP

Immense abilities to:

- Understand software system of robotics and RF
- Implement software engineering and create embedded software

Relevant Experience:

Principal Embedded Software Engineer
TransEnterix, Inc.
January 2012 – Present
Albany, GA

- Designed and developed embedded C applications.
- Created drivers and administered wireless activities.
- Maintained connectivity segment and created embedded C++ apps.
- Formulated and executed network concepts such as TCP/IP.
- Assisted in data transfer and updated existing application code.
- Resolved code issues and utilized OOA technologies.
- Conducted demonstration of proof of concepts relating to robotic systems.

- Supported agile development and created common software

Principal Embedded Software Engineer
FLIR Systems
November 2010 – January 2012
Billerica, MA

- Formulated and executed transport protocols for CAN bus.
- Created robotic training software utilizing Python.
- Conducted training sessions for architecture and programming concepts.
- Participated in understanding of electrical fluidics and system integration.
- Documented and maintained SRS and medical equipment procedures.
- Upgraded existing software and analyzed customer issues.
- Assisted in code analysis utilizing advanced techniques.
- Analyzed critical events and designed code solutions.

Educational Background:

Bachelor's Degree in Information Technology
North Metro Technical College
August 2006 – May 2010
Acworth, GA

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