**Karl Mielczarek**

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# PROFILE:

I am a result driven lead programmer with 3.5 years of professional experience in computer programming and a positive, enthusiastic attitude. I have previously worked for Verity Medical Ltd where I was cooperating with R&D team on various projects and got promoted to the position of Senior Embedded Software Engineer and as a Software Developer for Kriotechnika s.c where I was creating embedded firmware. Through my previous roles, I have become a proficient in working under pressure to meet simultaneous deadlines, and working both independently and cooperatively to meet team goals. I have good interpersonal skills and regularly received plaudits in previous roles for the friendly and efficient service I have provided. I am able to incorporate user needs into cost effective, secure and user-friendly solutions known for scalability and durability.

# TECHNICAL SKILLS:

**Languages/Programming:** EmbeddedC/C++11, Java, Python, HTML, CSS, JavaScript

**Systems:** Linux, Mac, Windows

**Tools**: Bash**,** GIT, SQL, MS Office, Corel Draw, Inscape, Adobe Cloud, Open VPN CMake

# PREVIOUS EXPERIENCE:

July 2016 – December 2016 *Verity Medical: Senior Embedded Software Engineer, UI/UX Designer,* R&D Department

Responsibilities included:

* Designing, developing, integrating, testing and debugging devices firmware, principally in embedded C/C++ for ARM Cortex platform using various third party tools applications, and technologies used in the development environment (Bash, CMake, Node.js, Python, Java).
* Administering maintaining and supporting infrastructure for software development.
* Supporting, maintaining and documenting software functionality, designing user interfaces and improving the user experience for medical devices. Doing required drawing and sketches in Corel Draw and Inkscape.
* Cooperation with developers team in version control system GIT
* Conducting regular code reviews and documenting each one as required by the SDS
* Making sure that each respective software module is fully documented with tight revision control and un-editable records of the code development on GIT and or other such local or cloud-based services
* Module validation with full documentation and integrations build up of the module with validation to meet the full SRS.

July 2014 – July 2016 *Verity Medical: Embedded C/C++ Programmer, UI/UX Designer, Software Documentation Specialist,* R&D Department

Responsibilities included:

* Programming embedded code for a range of medical devices, fixing software bugs, administering maintaining and supporting infrastructure for software development.
* Designing user interfaces and improving user’s experience for medical devices.
* Defining the architectural block diagram for all new projects for the SDS along with module definition and making sure that the documentation of the whole SDS stays in sync with the code development.
* Conducting regular code reviews and documenting each one as require by the SDS
* Making sure that each respective software module is fully documented with tight revision control and un-editable records of the code development on GIT and or other such local or cloud-based services
* Module validation with full documentation and integrations build-up of the module with validation to meet the full SRS.
* Creating and updating label drawings (CorelDraw) and manuals (InDesign).

Sept 2013 – June 2014 (*Kriotechnika S.C.): Software Developer*

Achievements and key duties:

* Developing firmware for liquid nitrogen temperature sensors,
* Creating software for monitoring and collecting samples from liquid nitrogen sensors remotely over the Internet.
* Maintaining small company network infrastructure

Nov 2011 – Sept 2013 *Warsaw Regional Court: Court Clerk*

Responsibilities included:

* Audio typing/ transcribing
* Preparing judicial drafts/ ad hoc reports
* Corresponding with public institutions to acquire information
* Bulk printing, photocopying, copy-checking, indexing etc.
* Ensuring legal information was kept confidential and secure

# QUALIFICATIONS

* Bachelor’s Degree in Computer Science (Polish-Japanese Institute of Technology and Computer Science) – third semester
* Bachelor’s Law Degree (University of Marie Curie, Lublin)
* Polish General Certificate of Secondary Education (A Level equivalent) – Maths, English, History, Literature

# PERSONAL DETAILS

Languages: English, Polish, basic German and basic Russian

Interests: Literature, Travel, Film