Elis Purkov

WORK EXPERIENCE

1/5/2015 – 1/1/2016 – Ljubljana, Slovenia
LEADER OF A MAKERSPACE – LJUBLJANA FACULTY OF COMPUTER AND INFORMATION SCIENCE

My job was to teach students how to design simple PCBs and how to develop custom firmware for ARM and AVR microcontrollers.

1/3/2016 – 31/1/2020 – Koper, Slovenia
MACHINE VISION, ROBOTICS, AND EMBEDDED SYSTEMS SPECIALIST – HIDRIA TECHNOLOGY CENTER

My job was to develop advanced machine vision and robotics applications for big industrial production lines for domestic and international customers. Besides that, I have also been developing PCBs for custom lighting and other controllers, specifically used for machine vision and robotics applications. These controllers had an ARM and an AVR microcontroller, with my own custom firmware.

1/2/2020 – CURRENT – Celje, Slovenia
LEAD FIRMWARE DEVELOPER – EMA D.O.O. (BLUETRAKER)

My job is to develop custom firmware for smart sensors and satellite tracking and monitoring devices used by fishing boats. I am currently writing firmware for ARM and ESP32 microcontrollers, where my main focus is using FreeRTOS and the development of various custom communication protocols, which use CAN, WMBus, BLE, GSM, IRIDIUM, and other communication channels.

EDUCATION AND TRAINING

1/9/2006 – 25/6/2010 – Nova Gorica, Slovenia
SECONDARY SCHOOL, COMPUTER SCIENCE – Nova Gorica Technical School Center

http://www.scng.si/

1/10/2010 – 30/9/2014 – Ljubljana, Slovenia
BACHELOR OF SCIENCE (BS), COMPUTER SCIENCE – Ljubljana Faculty of Computer and Information Science

https://www.fri.uni-lj.si/sl

LANGUAGE SKILLS

Mother tongue(s): **SLOVENIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
CROATIAN	B2	B2	B2	B2	B2
SERBIAN	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

MySQL | MSSql | SQLite | ARM | AVR | ESP32 | TCP | UDP | MQTT | RPC | REST | HTTP | Custom protocols | Robotics | EPSON | FANUC | Stäubli | Cognex VisionPro | Cognex In-Sight explorer | Keyence | Machine vision | Automation | Electronics | Microcontrollers | Embedded systems | Windows | Linux | TouchGFX | BLE | WMBus | GSM | IRIDIUM | Blockchain | Low power embedded programming | Networking | Arhitecture | HTML | Git | C# | C | C++ | Python | IoT | JSON

DRIVING LICENCE

Driving Licence: B