



**Gender:** Male

**Citizenship:** Bulgaria

**I live in:** Etropole/Bulgaria

**I may accept relocation offers for:**  
Other cities in Bulgaria,  
Other countries

## Contacts

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📍 Etropole

🔗 [https://marto86.github.io/?fbclid=IwAR3iqpyEz64rYWeCeCj\\_1pqLPC07HXSoOYeXB9xUEBwIFDjALiucUAVsRhq](https://marto86.github.io/?fbclid=IwAR3iqpyEz64rYWeCeCj_1pqLPC07HXSoOYeXB9xUEBwIFDjALiucUAVsRhq)

🔗 <https://www.linkedin.com/in/martin-pavlov-b877b41a2/>

## Languages

**Native language:** Bulgarian

**Languages:** English (Intermediate),  
Czech (Intermediate)

[... see more in the Languages section](#)

## Skills

**Managed people:** Yes (40)

**Computer Skills:** Embedded C

ANSI C

Python

PyQt5

IoT

RTOS

SCCS(Git)

MQTT

Eclipse Mosquitto

PROVEtech

CANoe

Virtualization ...

[... see more in the Computer Skills section](#)

**Skills:** Hardworking

Team Player

Enable team members to develop

# Martin Margaritov Pavlov

## Work Experience

NOVEMBER 2023 - TILL NOW

### Senior Software & Hardware (TDE) engineer, Visteon

Sofia, Company size: above 300

Designed and maintained software applications for automotive test equipment, ensuring compliance with industry standards and cybersecurity requirements. Developed and optimized test automation scripts using Python, C/C++, improving test coverage and traceability.

Created and validated hardware components (PCBs, sensors, interfaces) for seamless integration with embedded systems.

Conducted system-level testing and troubleshooting of infotainment and telematics systems under tight deadlines.

Utilized Vector, Advantech and PROVEtech for simulation and validation of communication protocols including CAN, LIN, and Ethernet.

Applied quality standards and risk analysis methodologies in both hardware and software development.

Used JIRA for bug tracking, test case management, and project coordination.

Prepared component quotations and project cost estimations, supporting budgeting and planning.

Collaborated with customers and cross-functional teams, delivering technical presentations and documentation in English.

FEBRUARY 2022 - NOVEMBER 2023

### Embedded Developer and Analyst, R&D Bulgaria Ltd.

Pravets, Bulgaria, Business sector: Information technologies, Company size: 10 - 20

Meeting with clients, designers, and engineering teams to define technical requirements.

Designing program architecture based on project requirements and hardware specifications.

RTOS, 32-bit Arm Cortex MCUs, ESP32 MCUs, Quectel: IoT Modules, IoT Antennas and IoT Connectivity.

Creating test benches with python touchscreen UI, which test developed hardware.

Writing software code, embedded programs, and system protocols.

Hardware Communication Protocols like

USB, UART, MODBUS, RS485, SPI, SDI12, I2C, ADC etc.

Working with oscilloscope, joulescope, soldering and etc.

Conducting tests on the embedded software systems to ensure proper integration.

Troubleshooting embedded systems and diagnosing errors, malfunctions, or inefficiencies.

Implementing effective repairs, modifications, and upgrades to the embedded code.

Managing project timelines and reporting any delays or issues to the supervisor.

Generating diagnostic reports, technical manuals, and software development documentation.

Maintaining embedded software systems and performing maintenance as needed.

APRIL 2019 - MARCH 2020

### CNC Setup Operator, ETEM Gestamp Bulgaria

Sofia, Bulgaria, Business sector: Manufacturing, Company size: above 300

Programming the milling process on CNC Machine.

Applying ISO, GLR and BMW Group standards of production during the quality control phase.

Writing a custom CAD/CAM program for a limited version of cars.

Train new CNC Machine Operators.

MAY 2011 - SEPTEMBER 2014

### Main auto mechanic-Team leader, F.X. Mailler s.r.o.

(technical and non-technical)

Motivated

No Hero Culture

Moral, ...

[... see more in the Skills section](#)

Driving License, category: B, M

Slany , Czech Republic, Company size: above 300, Salary: 6000 BGN

Work to ensure people and resources are applied in an efficient and effective manner to meet delivery requirements while achieving quality and safety standards.

Ensure that team members follow defined manufacturing procedures and comply with quality requirements

Ensure full adherence to 5S (Sort, Set In Order, Shine, Standardize, Sustain) practices at all times

Ensure equipment is within calibration date and all systems are functioning correctly

Ensure all records are completed appropriately.

Ensure the team are aware of day to day targets and responsibilities.

Maintain visible lead for adherence to procedures and instructions

Prepare line set-ups for following shifts, including first piece buyoffs

Monitor and maintain all safety equipment and tools

Undertake continuous training and development

Perform root cause analysis and resolve problems

Responsible for training of operators for products and processes within the local team

Responsible for daily management and support for the team to achieve operational success

Monitor time and attendance and ensure compliance with Company procedures

Carry out incident, accident and non-conformity investigations and associated reporting and action closure

Monitor the completion of tasks and ensure good performance.

Consistently promote high standards through personal example and roll out through the team so that each member of the team understands the standards and behaviours expected of them

Provide product expertise within team, and respond to operator queries

Work positively with support functions to fully define the

processes/procedures/controls relevant to team activities. Provide support and input to continuous improvement activities within the team.

JANUARY 2009 - NOVEMBER 2010

## Transponder Production Line Group Leader , Foxconn Technology

Kutná Hora , Czech Republic, Business sector: Manufacturing

Responsible for smooth operation of their assigned production line.

Ensuring all workers are in position and prepared for duty.

Monitor the individual components used for pack-out and replenish as needed to ensure

steady flow of production.

Verify that proper labels and any requirements for the particular job are being adhered to.

Inspect pack-out to ensure quality standards provided by APPLE.

Complete paperwork/documentation regarding each lot.

Monitor production progress and track it.

Motivate team members to meet production goals.

Train new workers on their station in the assembly line.

Assist workers when necessary.

Ensure all members of the team follow company policies and safety regulations are being

enforced to meet safety compliance.

Ensure all members of the team follow requirements from APPLE.

## Education

SEPTEMBER 2002 - JULY 2007

### Hardware Mechanic – Computer Systems, "Mihailo Vasilevich Lomonosov"

Gorna Oryahovitsa ,Bulgaria, Level: College

Description/Main Subjects: Hands-on hardware troubleshooting experience. Operate tools, components, and peripheral accessories. Read and understand technical manuals, procedural documentation, and OEM guides. Conduct research into PC issues and products as required. Effective interpersonal skills and relationship-building skills. Strong written and oral communication skills. Present ideas in user-friendly language. Attention to detail. Analytical and Problem-solving methods.

## Languages

**Native language:** Bulgarian

**English:** Comprehension (Intermediate), Speaking (Intermediate), Writing (Intermediate)

**Czech:** Comprehension (Intermediate), Speaking (Intermediate), Writing (Intermediate)

## Computer Skills

Embedded C  
ANSI C  
Python  
PyQt5  
IoT  
RTOS  
SCCS(Git)  
MQTT  
Eclipse Mosquitto  
PROVEtech  
CAN0e  
Virtualization  
Analyzation of hardware issues  
SPI  
Agile  
Scrum  
Linux administration (Debian)  
Windows System Administration (Fundamentals)  
Creation of Technical documentation for client/user  
MSSQLS  
C#  
EF Core  
Manual testing  
Automation testing  
Java  
Java Script  
HTML  
CSS  
Docker  
Kubernetes  
GO-Basics  
ABAP-Basics  
CAD/CAM development (G-Code ,M-Code)

## Skills

Hardworking  
Team Player  
Enable team members to develop (technical and non-technical)  
Motivated  
No Hero Culture  
Moral, Dedicated, Loyal  
Adaptable  
Communicative

Decisive

No issues to work under pressure (bug fixing/discussing issues with client/college)

Stress Management

Time Management

Out of the box thinker

Project Management

## Courses and Certificates

C# HackerRank

EF core

MS SQL

C# OOP

C# Advanced

Java Fundamentals

C# Fundamentals

Basics with C#

Fill CNC Machine Milling, SINUMERIC ONE Basic

Operations and Programing

## Additional Details

I love 3 things! My car, my wife and coding... And I have no wife yet, so I pour my love into coding!

Helping always with pleasure .

Always honest .