**CURRICULUM VITAE**

**Dimitar Pavlov**

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**PROFESSIONAL SUMMARY**

**Software Development Engineer** and **IT Specialist** with **30+ years** of experience in **system administration, network security, software development, and quality assurance**. Expertise in **Mainframe (RISK S/390, CISC x86 Assembly, C/C++), Python, Java, and automation tools**. Certified in **ISO 9001/27001 auditing, network security (CNSS), Agile and |Scrum methodologies**. Strong background in **IT infrastructure, virtualization, and embedded systems**. Fluent in **Bulgarian (native), English (C1), Russian (C2), and basic German (A2)**.

**WORK EXPERIENCE**

**Software Developer Engineer | Internal Auditor**

**IBA Bulgaria Ltd. (IBA Group s.a.)** | Burgas, Bulgaria | **June 2021 – Present**

* **Mainframe OS Development**: Worked on RISK(**S/390), (CISC)x86 Assembly, C/C++** for system-level programming.
* **Automation & Testing**: Developed SDF and **Python-based automated tests** and configured deployment environments.
* **QA & Debugging**: Performed **manual and automated testing**, bug tracking, and debugging.
* **Tools & Technologies**:
  + **OS**: Windows 11/10, Linux, Mainframe, Virtual Machines
  + **Development**: VSCode, Eclipse, vim, Git/Gerrit, Confluence, Jira
  + **Networking**: SSH, VPN, Terminal Emulators, Wireshark
* **Internal Auditing**: Conducted audits for **QMS (ISO 9001:2015) and ISMS (ISO 27001:2013)**.
* **Team Collaboration**: Worked in **Teams/Confluence/Agile/Scrum/Kanban/ICDC Cloud** environments with multilingual teams (Bulgarian, English, Russian).

**IT Support Engineer | Network & Database Administrator**

**SGS Bulgaria Ltd.** (SGS S.A.) | Burgas, Bulgaria | **November 2011 – June 2021**

* **IT Infrastructure Management**: Supported **150+ employees** across multiple locations in Bulgaria. Information services for LUKOIL Neftochim, OGC Laboratory complex.
* **Security & Compliance**:
  + **CNSS Certified Network Security Specialist** (IPS/IDS firewall administration).
  + Ensured compliance with **ISO 27001:2013** standards.
* **Server & Network Administration**:
  + Managed **Windows Server (2019/2016/2012), Linux (RHEL, Debian, Ubuntu), BSD (FreeBSD)**.
  + Configured **Active Directory, VPN (Juniper, Pulse Secure, OpenVPN)**.
* **Database Management**: Worked with **MySQL, PostgreSQL, MariaDB, JavaDB (Derby), MS SQL**.
* **Virtualization & Cloud**: Deployed **Hyper-V, VMware, Docker, ownCloud / nextCloud**.

**Lead System & Network Administrator**

**Complex 2000 Ltd.** | Burgas, Bulgaria | **April 2002 – November 2011**

* **IT Support & Maintenance**: Serviced **businesses and hotels** along the Black Sea coast.
* **Server Administration**:
  + Installed and maintained **Linux, FreeBSD, Windows Server (2000/2003/2008), Novell NetWare**.
  + Managed **PBX, VoIP, fiscal systems, and billing software**.
* **Security**: Certified **NETASQ Stormshield IPS/IDS firewall administrator**.

**Earlier Roles (Summary)**

* **PractiCorp Inc. (2000–2002):** OpenBSD/Linux/Windows 2000/NT admin, software tester.
* **BuSoft Engineering (1999–2000)**: lead ISP admin for **5,000+ customers (bse.bg)**.
* **Consult – Dimitar Pavlov ET (1993–2006)**: Owned an IT service business (hardware/software development, lead ISP admin for 150+ customers – newclass.net).
* **Military Service (1991–1993)**: Radio communications, Morse code, IT maintenance.

*(Full details available upon request)*

**EDUCATION & CERTIFICATIONS**

**Master of Engineering (M.Eng.)**

**Burgas Free University** | Burgas, Bulgaria | **2011 – 2012**

* **Specialization**: Communications and Electronics in Renewable Energy Sources

**Bachelor of Engineering (B.Eng.)**

**Burgas Free University** | Burgas, Bulgaria | **2007 – 2011**

* **Specialization**: Computer Systems Technology

**Certifications & Training**

* **Cloud & DevOps – Beginner (EPAM course)**
* **Software Testing Basics (Skillo course)**
* **QA Basics (SoftUni course)**
* **Software Test Automation with Java** (Selenium, JUnit, GitLab, Maven, EPAM course)
* **Linux System Programming in C (BFU & IBA Group s.a.)**
* **CNSS (Certified Network Security Specialist)**
* **Internal Auditor for ISO 9001:2015 & ISO 27001:2013 (SGS, IBA Group)**
* **NETASQ Stormshield IPS/IDS Firewall Certification**

*(Full details available upon request. 90+ professional certificates available in repository:* [*https://github.com/lz7dp/certificate*](https://github.com/lz7dp/certificate) *)*

**TECHNICAL SKILLS**

**Programming & Scripting**

* **Languages**: C, C++, RISC(S/390) and CISC(x86) Assembly, Python, Java, PHP, Windows (PowerShell) and Linux (Bash/csh) Shell Scripting.
* **Web Development**: HTML/HTML5, CSS/CSS3, JavaScript, jQuery, Responsive Web Design.
* **Database**: MySQL, PostgreSQL, MariaDB, JavaDB/Derby, SQLite, MS SQL.

**Operating Systems & Virtualization**

* **Windows**: Server (NT/2000–2022), Workstations (3.1–11)
* **Linux/Unix**: RedHat, Debian, Ubuntu, FreeBSD, OpenBSD, NetBSD, BSDi, Solaris
* **Virtualization**: Hyper-V, VMware, VirtualBox, KVM, QEMU, Docker

**Networking & Security**

* **Networking**: TCP/IP, VPN (Juniper, OpenVPN), SSH, VLAN, WLAN, LAN, WAN
* **Security**: IPS/IDS, Firewalls, Antivirus software, ISO 27001 Compliance

**Embedded Systems & Microcontrollers**

* **Platforms**: Arduino, STM32, ESP8266 (NodeMCU), AVR, RISC-V
* **Languages**: Embedded C, MicroPython, Assembly

**Development Tools & Methodologies**

* **Version Control**: Git, GitHub, GitLab, Gerrit, CVS
* **Project Management**: Jira, Confluence, Agile, Scrum, Kanban

**LANGUAGES**

* **Bulgarian**: Native
* **Russian**: Fluent (C2)
* **English**: Advanced (C1)
* **German**: Basic (A2)

**PERSONAL PROJECTS & LINKS**

* **GitHub**: [github.com/lz7dp](https://github.com/lz7dp)
* **GitLab:** <https://gitlab.com/lz1dpn>
* **Blog**: [lz7dp.blogspot.com](https://lz7dp.blogspot.com/)
* **Certificates**: [github.com/lz7dp/certificate](https://github.com/lz7dp/certificate)
* **CryptoPrediction:** <http://84.54.146.97:8088/web> , Linux, KVM, Python, ML, panda, numpy, sklearn, tensorflor, matplotlib, statsmodels, keras, MariaDB, HTML, CSS, PHP, JavaScript, JSON, csv, bash shell, Apache
* **Temperature Monitor:** <http://84.54.146.97:8088/web/temp.html> , Linux, hardware monitor, sensors, HTML, JavaScript, CSS, JSON, Apache, bash shell, ssh/scp

**ADDITIONAL INFORMATION**

* **Driving License**: (EU) A, B, M (since 1990)
* **Hobbies**: HAM Radio call sign LZ7DP (Class 1 license since 1984), Martial Arts (Tai Chi Chuan), Embedded Systems, Open-Source Contributions.
* **Marital Status**: Married, one child (adult now)