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)

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

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LANGUAGES

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

PERSONAL PROJECTS & LINKS

- **GitHub**: github.com/lz7dp
- **GitLab:** https://gitlab.com/lz1dpn
- **Blog**: lz7dp.blogspot.com
- **Certificates**: 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

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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)