

PAVEL KOLAROV

Systems Engineer | Requirements Engineering | Technical Operations

Sofia, Bulgaria · +359 88 26 111 09 · pavel_kolarov@yahoo.com

www.pavelkolarov.net · linkedin.com/in/pavelkolarov

PROFILE

Systems Engineer with a background in requirements engineering, verification, and technical operations across the automotive, enterprise infrastructure, and telecommunications sectors. Strong knowledge of C/C++, supported by formal Computer Engineering studies and a structured, analytical approach to solving complex technical challenges.

Two years of experience as a System Engineer at Bosch, defining and managing system requirements for series-production projects using IBM DOORS and Jama, while working with UML and SysML models in Agile development environments. Experienced in collaborating with cross-functional engineering teams throughout the product development lifecycle.

Complemented by hands-on experience in enterprise server hardware diagnostics and the technical delivery of Cisco-based enterprise network infrastructure. Fluent in English and German (C1), enabling effective communication with international teams and customers.

PROFESSIONAL EXPERIENCE

Technical Delivery Specialist Jun 2025 – Present

Telekom Austria Group · Sofia, Bulgaria

- Deliver enterprise network infrastructure for the A1 Business LAN Team, from order validation through to customer rollout.
- Validate complex Cisco Commerce orders in SAP SD against agreed configurations, licensing and delivery scope.
- Coordinate business clients, field technicians and procurement, resolving specification conflicts before they delay delivery.
- Investigate configuration and delivery faults across multiple sites, tracing root causes and closing out recurring issues.
- Improved order accuracy and reduced delivery delays through proactive tracking and early escalation.
- Built an internal web tool giving the delivery team live visibility of order status (see Projects).

Compute Hardware Operations Engineer Nov 2024 – May 2025

Hewlett Packard Enterprise · Sofia, Bulgaria

- Diagnosed faults in mission-critical server infrastructure using vendor diagnostics, event logs and firmware analysis.
- Isolated component, firmware and configuration causes before committing replacement parts.
- Coordinated spare parts and on-site interventions with vendors and field engineers.
- Resolved high-priority incidents on production systems under strict SLA conditions.
- Streamlined the fault-identification workflow, cutting time to isolate failures.

System Engineer Sep 2022 – Oct 2024

Robert Bosch · Sofia, Bulgaria

- Specified system, software and hardware requirements for Automotive projects including Mercedes-Benz Ambient Light and Bosch eBike Systems.
- Authored requirements in IBM DOORS and Jama, holding traceability from stakeholder needs through to verification criteria.
- Translated stakeholder input into user stories, then refined and prioritised backlog items in Jira and Confluence.
- Modelled behaviour, interfaces and architecture in UML and SysML to align hardware, software and test disciplines.
- Defined verification criteria and test cases, then reviewed results against the specified requirements.
- Contributed to Risk Management, identifying failure modes and tracking mitigation measures.
- Took part in design and requirement reviews across the product lifecycle with development, test, quality and project management.
- Restructured existing specifications to remove ambiguity and reduce rework further down the development chain.

Enterprise IT Support Analyst Oct 2021 – Mar 2022

C3i / HCL Technologies · Sofia, Bulgaria

- Supported AbbVie Germany, administering Active Directory accounts, groups and access rights.
- Managed identity and access provisioning for onboarding in a regulated corporate environment.
- Resolved software, hardware and access issues within SLA, with a high first-contact resolution rate.

Technical Support Specialist Jan 2021 – Sep 2021

Blink Home / Amazon · Sofia, Bulgaria

- Troubleshoot connectivity and device faults on Blink IoT cameras across Wi-Fi, cloud sync and mobile app layers.
- Escalated recurring defects to product and development teams with structured reproduction detail.
- Identified failure patterns and improved the documentation used across support channels.

EDUCATION & TRAINING

BSc Computer Engineering — 4 semesters completed 2019 – 2023

Technical University of Berlin

- Coursework: Embedded C Programming · Computer Engineering · Computer Architecture · Electronics · Software Engineering · Engineering Fundamentals · Technical Mathematics.
- Practical electronics and soldering course alongside the core curriculum.

Systems Engineering Trainee Programme 2022

Robert Bosch

- Six-month structured programme led by senior system engineers, covering requirements engineering, product lifecycle, verification and process.

SKILLS

Systems Engineering

Requirements Engineering (user stories, system / software / hardware requirements, test cases) · Requirements Traceability · Verification Planning · UML · SysML · Risk Management · Design Reviews · Technical Documentation · Agile / Scrum

Programming

C (primary) · C++ (primary) · Java (side projects) · HTML / CSS / JavaScript · Python (basic)

Engineering Tools

IBM DOORS · Jama · Jira · Confluence · SAP SD · Microsoft Visio · Git / GitHub · Microsoft 365

Technical Skills

Enterprise server hardware · Hardware diagnostics · Root cause analysis · Networking · Virtualisation · Active Directory · Cisco hardware and software configurations

PROJECTS

Professional

- **A1 Business LAN — Telekom Austria** — Local Network infrastructure for business customers. Responsible for order validation, Cisco configuration checks and delivery coordination across multiple sites.
- **Bosch eBike Systems** — Requirements specification and verification criteria for system components in an Agile setup, maintained in Jama with full traceability.
- **Mercedes-Benz Ambient Light — Bosch** — Requirements engineering, traceability maintenance and review support for a series automotive lighting system.
- **Blink for Home — Amazon** — Fault isolation and escalation for consumer IoT camera systems across device, network and cloud layers.

Personal

- **Web Order Tracker** — Internal tool built to track and visualize order status for the A1 Business LAN workflow; HTML, CSS and JavaScript.
- **Personal Portfolio Website** — Designed and developed pavelkolarov.net end to end, covering front-end implementation, structure and UI/UX.
- **Design Studio** — Self-directed product concept combining web technologies, UI/UX design and AI-assisted development.

TECHNICAL INTERESTS

Systems Engineering · Embedded Systems · Technical Operations · Space Technologies · Enterprise Infrastructure

CERTIFICATIONS & LANGUAGES

Certifications Cybersecurity Basics · Applied Computer Science Principles · Technical English for Electrical Engineering · DSD II German Language Diploma

Languages Bulgarian (Native) · English (C1) · German (C1) · Russian (B2)