cazacu.bogdan@gmail.com

www.linkedin.com/in/
bogdancazacu (LinkedIn)
cazacubogdan.com (Personal)
secretchip.net (Company)

Top Skills

Networking
Customer Service
Access Technologies

Languages

English (Native or Bilingual)

Certifications

Become a Docker Administrator

DevOps Foundations: Infrastructure as Code

Foundations of Cybersecurity

Introduction to GitOps (LFS169)

Certified in Cybersecurity (CC)

Bogdan Cazacu

Senior System Engineer @ EPAM Systems | Automating Infrastructure Development
Cracow, Małopolskie, Poland

Summary

With over 10 years of experience in the IT field, I am a Senior System Engineer at EPAM Systems, a global provider of digital platform engineering and software development services. I hold the (ISC)² Certified Cloud Security Professional (CCSP) credential and the ISO/IEC 27001 Internal Auditor certification, demonstrating my knowledge and skills in securing cloud-based and on-premise software, server infrastructures, and data center operations.

My core competencies include designing, implementing, and maintaining enterprise solutions for secure business applications in web-delivered environments, using DevOps and Infrastructure as Code methodologies and tools. I also collaborate with solution-, network- and cloud/infrastructure architects, data scientists, and other DevOps engineers to translate business requirements into software and provide modular code that can meet scaling requirements and future demands. My mission is to deliver the best technical solutions to meet functional and security requirements, while ensuring the highest levels of information security are maintained. I am a diligent troubleshooter, a strong communicator, and a flexible team player who can interact effectively with employees and departments in various IT environments and produce results under tight deadlines.

Experience

EPAM Systems
Senior System Engineer
April 2022 - Present (2 years)
Cracow, Małopolskie, Poland

Implement a Deployment and DevOps strategy encompassing the build and development of Infrastructure as Code including an automation framework with elements of declarative automation model, state and orchestrator.

Drive Infrastructure as Code development by translating business requirements together with solution-, network- and cloud/infrastructure architects and into software and provide modular code that can meet scaling requirements and future demands.

Involvement into such activities as: service designing, future strategy planning, capacity and performance prediction.

Manage knowledge transfer and mentoring for other DevOps engineers and teams.

Drive changes and continuous improvements of development process.

Designing, deploying, and managing security measures to protect the organization's systems and networks from cyber attacks.

Conducting security assessments and audits to identify vulnerabilities and risks in the organization's systems and applications.

Implementing and managing security policies, procedures, and standards to ensure compliance with regulations and industry best practices.

Keeping up-to-date with the latest cyber security threats, trends, and technologies to continuously improve the organization's security posture.

Team Clockworks RO108
FIRST Robotics Mentor
October 2019 - Present (4 years 6 months)
Bucharest, Romania

In my role as a Mentor, I am dedicated to guiding individuals in their personal and professional growth. This position allows me to share my knowledge, experience, and insights, making a meaningful difference in the lives of others.

I provide consistent support and guidance, helping mentees set and achieve their goals.

Drawing from my own experiences, I offer mentorship tailored to each mentee's unique needs and aspirations.

I encourage and assist my mentees in embracing self-improvement and identifying their strengths and areas for growth.

Regularly assessing each mentee's progress, I offer honest, supportive feedback and celebrate their successes.

Utilizing my network, I connect mentees with opportunities and resources that can aid their development.

I aim to be a reliable and empathetic figure, offering a safe space for mentees to share and discuss challenges.

My approach includes clear, empathetic communication, understanding the individual needs of each mentee, and inspiring them towards their full

potential. I use my problem-solving skills to help navigate complex situations and am committed to the long-term success of my mentees.

The impact of my role as a Mentor is profound. It allows me to shape the professional paths and personal growth of my mentees, making the success and advancement of each individual incredibly rewarding. This underscores the value of connection and guidance in professional environments.

UBS
Build Engineer
June 2022 - March 2023 (10 months)
Cracow, Małopolskie, Poland

Managing the source code repository and version control system for our cyber security and AI/ML products.
Building and deploying software releases for our cyber security and AI/ML products to various environments (development, testing, production, etc.).
Automating the build and deployment process using tools such as Jenkins, GitLab, and Docker to ensure that the process is secure and efficient.
Collaborating with our data scientists to integrate AI/ML models into our products and ensuring that the models are secure and performant.
Troubleshooting and resolving issues related to the build and release process for our cyber security and AI/ML products.
Staying up-to-date with the latest cyber security and AI/ML tools and technologies to continuously improve our build and release process.

SecretChip Consulting
Chief Executive Officer
January 2018 - December 2021 (4 years)
Bucharest, Romania

Over the years I've managed to accumulate experience and know-how from infrastructure implementation (structured cabling, data room management and design) to multi host virtualization scenarios on any number of platforms (Vmware, Hyper-V, openStack, Nutanix, Proxmox), public cloud providers (AWS, Azure, GCP) or technologies (LXC or KVM).

Providing support to company clients for services like DHCP, Apache, *sql, Remote Desktop Gateways, File Servers, Web Servers, Web Services, specific application servers (CRM's and ERP's) and NAS's running on a wide range of operating systems (Windows, Linux, Unix, or proprietary systems like

Lenovo and Synology) all the while automating everyday tasks and operations as much as possible using bash, powershell, python and ansible.

Garanti BBVA Romania
Senior Security Infrastructure Engineer
December 2019 - April 2021 (1 year 5 months)
Bucharest, Romania

Designing and implementing security infrastructure, including firewalls, intrusion detection and prevention systems (IDPS), virtual private networks (VPNs), and other security tools to protect the organization's systems and networks from cyber attacks (specifically Forcepoint Solutions (Web Proxy, DLP, Mail Gateway) and McAfee IPS/IDS appliances and deploying and administration of linux web proxies and load balancers (haproxy), remote gateways (Apache Guacamole), secrets management solution (CyberArk)).
Conducting security assessments and audits to identify vulnerabilities and risks in the organization's systems and applications.
Developing and implementing security policies, procedures, and standards to ensure compliance with regulations and industry best practices.
Configuring and managing security systems to monitor network traffic and detect and prevent cyber attacks.
Performing security incident response activities, including investigating security incidents, coordinating with other teams to remediate vulnerabilities, and implementing measures to prevent future incidents.
Keeping up-to-date with the latest cyber security threats, trends, and technologies to continuously improve the organization's security infrastructure.
Leading security infrastructure projects from design to implementation, including managing resources and timelines, and ensuring that project deliverables are completed on time and within budget.

Responsible for the Work From Home project (ongoing as of August 2021): R&D, proposal, implementation, integration and administration of the solution (red hat enterprise, apache guacamole, active directory)

Cyber Security Research Center from Romania
Chief Information Officer
April 2013 - June 2019 (6 years 3 months)

Provide technological guidance within the organization.
Supervise information system and communications network.
Design, establish, and maintain a network infrastructure for local and wide area connectivity as well as remote access.

Consult with administration, department managers, and manufacturing representatives to exchange information, present new approaches, and to discuss equipment and/or system changes.

Manage vendor contract negotiations for all new computer equipment and software purchased for the organization.

Create a cost-benefit analysis as well as supporting a detailed definition of data requirements and departmental workflows.

Oversee Internet and computer operations.

Manages the day-to-day operations of the information technology department including directing staff, who support administrative computing, networking, user services, telecommunications and other information technology functions.

Assess and anticipate technology projects and recommend appropriate action and resources.

Establish and direct the strategic and tactical goals, policies, and procedures for the information technology department.

Propose hardware and/or software solutions to accomplish the organization's business objectives.

Identify user needs and resolve problems.

Strauss Group Inc.
Software Administrator
August 2016 - November 2017 (1 year 4 months)
Bucharest

Responsible for effective provisioning, installation/configuration, operation, and maintenance of systems hardware and software and related infrastructure.

Participating in technical research and development to enable continuing innovation within the infrastructure ensuring that system hardware, operating systems, software systems, and related procedures are followed accordingly while adhering to organizational values.

Engineering of SA-related solutions for various project and operational needs including but not limited to: bash and powershell scripting.

Installing new / rebuild existing servers and configure hardware, peripherals, services, settings, directories, storage, etc. in accordance with standards and project/operational requirements.

Researching and recommending innovative, and where possible automated approaches for system administration tasks.

Performing daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems, reviewing system and application logs, and verifying completion of scheduled jobs such as backups.

Performing daily backup operations, ensuring all required file systems
and system data are successfully backed up to the appropriate media,
recovery tapes or disks are created, and media is recycled and sent off site as
necessary.
Creating, changing, and deleting user accounts per request.
Providing Tier III/other support per request from various constituencies.
Investigating and troubleshooting issues both on-site as well as off-site.
Repairing and recovering from hardware or software failures. Coordinating
and communicating with impacted users.
Applying OS patches and upgrades on a regular basis, and upgrade
administrative tools and utilities. Configure / add new services as necessary.
Performing ongoing performance tuning, hardware upgrades, and resource
optimization as required. Configuring CPU, memory, and disk partitions as
required.

Medialine Romania
Infrastructure Specialist
February 2015 - July 2016 (1 year 6 months)
Bucharest, Romania

Provide security guidance within the Romanian HQ as well as incident
response for the German HQ.
Provide first and second level support for internal users from the Romanian HQ
and second level and incident response for internal users in the German HQ.
Providing incident response for clients of the company for specific cases
like Vmware ESXI 5.x and 6.x, CAS Genesis World (CRM), SQL Server
(2008-2014), Windows Server (2008-2012 R2) having multiple roles (WSUS,
ADDS, ADCS, IIS, Application Server), Ubuntu/Debian (DHCP, SSL,
Apache), infrastructure consultancy, network or hardware incidents as well as
deployment support for CAS Genesis World and maintenance support for the
above fields of expertise and products.
PM for ISO 27001 implementation for the Romanian HQ.

TGA Systems GmbH
Coorporate Network Administrator
June 2013 - February 2015 (1 year 9 months)
Bucharest, Romania

Establishing network specifications by conferring with users; analyzing
traffic, access, information, and security requirements; designing router
administration, including interface configuration and routing protocols.

Establishing network by evaluating network performance issues including availability, utilization, throughput, goodput, and latency; planning and executing the selection, installation, configuration, and testing of equipment; defining network policies; establishing connections and firewalls.

Maintains network performance by performing network monitoring and analysis, and performance tuning; troubleshooting network problems.

Secures network by developing network access, monitoring, control, and evaluation.

Preparing users by providing references and support.

Analyzing system logs and identifying potential issues with computer systems.

Introducing and integrating new technologies into existing environments.

Performing routine audits of systems and software. Performing backups.

Applying operating system updates, patches, and configuration changes.

Installing and configuring new hardware and software.

Maintaining a working infrastructure based on ESXI HyperV for several core systems.

Konsalnet Security
System Network Administrator
April 2012 - June 2013 (1 year 3 months)
http://www.konsalnet.pl

Overseeing the day-to-day operation of computer networks including hardware/software support, training, and special projects.

Planing, designing and implementing data connectivity for local area network (LAN) and wide area network (WAN) systems.

Assisting in coordinating special projects including network related wiring plans, LAN/WAN hardware/software purchases and system installation, backup, maintenance and problem solving.

Assisting in providing network and remote connectivity hardware/software support.

Maintaining LAN user documentation including hardware/software applications, support logs and other related information.

Researching and recommending network and server hardware and software.

Installing, designing, configuring, and maintaining system hardware and software.

Analyzing and troubleshooting the network logs and tracks the nature and resolution of problems.

Monitoring usage to ensure security of data and access privileges.

Installing, supporting and maintaining both physical and virtual network servers and appliances.

Establishing and maintaining user accounts, profiles, file sharing, access privileges and security.

Performing daily server tape backups; researches, analyzes, monitors, troubleshoots and resolves server or data network problems.

Developing, maintaining and implementing network support, and archiving procedures.

Researching and evaluating new technologies related to computer networking.

Assisting in planning, coordinating and consulting with vendors and clients for hardware/software purchases, product services and support.

Keeping current regarding new hardware/software products for system enhancements.

Performing scheduled network tasks, updating anti-virus definition files, monitoring network servers, and providing internet and intranet user support, and specialized training.

MULLER DAIRY RO
Network Administrator
February 2011 - April 2012 (1 year 3 months)

Upgrading, installing and troubleshooting networks, networking hardware devices and software;

Maintaining the inventory regarding equipment and parts as well as documentation of vendor;

Developing and documenting system standards for computer and network devices;

Recommending and scheduling repairs to the LAN/WAN infrastructure;

Performing daily system monitoring, verifying the integrity and availability of all hardware, server resources, systems and key processes, reviewing system and application logs, and verifying completion of scheduled jobs such as backups;

Performing regular security monitoring to identify any possible intrusions;

Performing daily backup operations, ensuring all required file systems and system data are successfully backed up to the appropriate media;

Performing regular file archival and purge as necessary;

Creating, changing, and deleting user accounts as requested;

Repairing and recovering from hardware or software failures. Coordinating and communicating with the affected users;

Applying OS patches and upgrades on a regular basis, and upgrading administrative tools and utilities. Configuring / adding new services as necessary;

Maintaining operational, configuration, or other procedures;

Provide end-user support with various application platforms per request. Investigating and troubleshooting issues.

Tex As Group
Computer Equipment and Network Technician
December 2009 - May 2010 (6 months)
Bucharest, Romania

One of my main tasks is to maintain working status of the company's network, which includes shops from Pitesti, Constanta and Bucharest. Also deploying secure email solutions, providing regular website updates, maintaining a secure LAN infrastructure and managing the company's server and other IT equipment inside the company (faxes, printers, ip cameras)

Mariocom
Network Administrator
July 2008 - September 2008 (3 months)

I was responsable for creating and/or editing daily and monthly reports on stocks, targets, situations handsets using Wizrom software suite, troubleshooting workstations, monitoring and maintaining the company's computer network.

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Education

University POLITEHNICA of Bucharest
Biotechnology · (2010 - 2013)

„Petre Andrei" University
Psychology · (2005 - 2008)