

Sebastian Main

LinkedIn: Sebastian Main

Education

University of Missouri, Columbia

Bachelor's in Information Technology, GPA: 4.0

Columbia, MO

Graduation Date: Spring 2027

Relevant Coursework: Programming – Python (Proficient), C# (Limited), Networking, Cybersecurity, Unix

Experience

Freelance Work

March 2019 – April 2021

Freelancer

- Founded and managed a personal freelance brand specializing in virtual setup and integration of streaming software and services for a global client base. Viewable on <https://bomby.us> or <https://www.bomby.us>
 - Oversaw end-to-end project management for computer program integration and graphic design solutions, including client consultation, execution, and post-implementation support.
 - Coordinated with clients to tailor programs to their specific needs, ensuring high-quality results and timely delivery.
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Leadership & Projects

Information Technology: Enterprise Resource Planning (Project Lead)

2023 – 2024

- **Cloud Security & Encryption:** Encrypted data, configured firewall rules, and removed unnecessary software that was essential for securing cloud systems and preventing data breaches.
- **Business Information Systems (BIS):** Implemented systems like CRM, ERP, and SCM to improve customer management, streamline operations, and enhance overall business efficiency.
- **Big Data & Analytics:** Leveraged big data technologies and analytics tools that provided valuable insights for decision-making and innovation.
- **Strategic Planning & Accountability:** Utilized strategic frameworks (SWOT, Agile, TOGAF) and maintained accountability practices, such as internal audits and cybersecurity training, that were key to successful cloud adoption.

Information Technology: Network Security (Project Lead)

2023 – 2024

- **Network Topology Design:** Designed and proposed multiple network topologies (bus, star, mesh, hybrid) to improve scalability, fault tolerance, and performance within a university environment.
- **Network Devices Integration:** Integrated essential network devices including switches, routers, firewalls, IDS/IPS, and wireless access points to create a secure and efficient LAN and CAN infrastructure.
- **Ethernet Specifications:** Evaluated Ethernet standards such as 10GBASE-T, 1000BASE-SX, and 40GBASE-T for optimized bandwidth capacity and scalability within the network.
- **Security Architecture:** Implemented a multi-layered security approach by recommending firewalls, intrusion detection/prevention systems (IDS/IPS), and host-based security solutions to protect against threats.
- **Cost and Scalability Planning:** Conducted a comprehensive cost analysis of infrastructure upgrades, with a focus on future scalability and maintaining low-cost expansion for new university buildings and technologies.

Skills & Interests

Skills: Adaptability, Interpersonal, Project Management, Problem Solving, Time Management

Technical: Adobe Creative Suite (Proficient), Microsoft Excel (Proficient)

Laboratories: Cybersecurity, UNIX Systems, Virtual Machines

Interests: Software, Coding, Computer Engineering, Computer Management, Networking

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