ANDREW ELLENDER

SUMMARY

Software Engineering graduate from Louisiana State University with hands-on expertise in software development, database management, server administration, and cybersecurity. Currently thriving as an Information Technology Specialist at Louisiana Pigment, where I design and maintain scalable IT solutions, manage enterprise systems, and develop web applications (ASP.NET) that optimize operations. Passionate about building secure, efficient, and innovative technology solutions—from enterprise software to machine learning projects.

CONTACT

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EXPERIENCE

Information Technology Specialist
Louisiana Pigment | Westlake, LA | April 2024 - Current

- Oversee the design, implementation, and maintenance of databases to guarantee optimal performance and security.
- Configure and maintain network switches to enable seamless data communication within the organization.
- Manage and update software systems, ensuring alignment with company needs and industry standards.
- Administer servers for reliable, efficient operations, and develop ASP.NET applications for plant operations (including event tracking, maintenance scheduling, and CO_2 level monitoring, etc.).

System Engineer
National Networks | Lake Charles, LA | December 2023 - April 2024

- Managed Windows servers (user management, permissions, DHCP, DNS) to ensure robust infrastructure.
- Implemented backup/recovery solutions to preserve data integrity and ensure continuity.
- Delivered comprehensive software/hardware support and performed networking tasks for optimal connectivity.
- Administered Microsoft 365 services and reinforced cybersecurity measures by monitoring and mitigating threats (phishing, remote access, malware).

SKILLS

- **Programming Languages:** C#, JavaScript, Python, Java
- **Frameworks & Libraries:** ASP.NET, React, Node.js, React Native
- **Web Technologies:** HTML, CSS, Tailwind CSS, JavaScript
- **Databases:** MySQL, SQL, Firebase, Database Management
- **Cloud & Infrastructure:** AWS, Azure, Google Cloud, Docker, Linux, Windows Server, VMware
- **Collaboration & Version Control:** Git, Microsoft 365
- **Cybersecurity & Data Protection:** Network Security, Encryption, Forensics
- **Additional:** Machine Learning, Data Analysis

EDUCATION AND TRAINING

Bachelor of Science
Computer Science
Louisiana State University, Baton Rouge, LA
May 2023

PROJECTS

- **Nexus Music (Work in Progress):**
  A self-hosted streaming platform that lets users manage and stream personal collections. It features a Go backend, a React admin dashboard, and a React Native mobile app—all containerized with Docker.
- **DES Encryption and Decryption:**
  A Java application implementing the DES algorithm with key generation, XOR operations, and 16 rounds of encryption/decryption for secure data handling.
- **Exchango Currency Converter:**
  A real-time currency converter built with HTML5, Tailwind CSS, and JavaScript. It fetches live exchange rates from an API and offers smooth animations with a responsive design.
- **Stock Market Predictor:**
  A machine learning project using Python and TensorFlow to forecast stock prices. It evaluates predictions with mean squared error and provides market insights.