CHRISTOPHER SMITH

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EDUCATION

MAY 2023

BACHELOR'S IN COMPUTER SCIENCE, THE UNIVERSITY OF TEXAS AT ARLINGTON

GPA of 3.5 – Data Mining, Senior Design 1 & 2, Artificial Intelligence, Networking and Robotics

HIGH SCHOOL DIPLOMA, MANSFIELD HIGH SCHOOL

EXPERIENCE

2025 – CURRENT

SOFTWARE DEVELOPER ARCHITECT, INTERCONNECT-WIRING, FORT WORTH, TX

- Architected systems using UML diagrams and Visio flows
- Established coding standards and design principles
- Monitored and scheduled releases for web app updates
- Ensured API integration, versioning, and compatibility
- Mentored team through in-depth code reviews, refactoring complex logic and boosting performance

2023 – 2025

SOFTWARE DEVELOPER, INTERCONNECT-WIRING, FORT WORTH, TX

- Full-Stack Web Development
- Working with ASP.NET Core 8 MVC, ASP.NET Core 8 Blazor, and SSMS
- Developing workflows for manufacturing and administration
- Designing and creating Databases in SSMS

2022 – 2023

INTERN, AYOKA SYSTEMS, ARLINGTON, TX

- Front-end/Back-end Web/App development
- Working with Vue 2, Ruby on Rails, and ASP.NET frameworks

2018 – 2019

INTERN, MISD IT DEPARTMENT, MANSFIELD, TX

- Maintaining and troubleshooting servers and desktops
- Professional client communication

SKILLS

FRAMEWORKS

- ASP.NET Core
- Vue 2
- Vue 3
- Ruby on Rails

TECHNICAL SKILLS

- Web App development
- Multithreading
- APIs
- Professional client communication
- Server/Computer Maintenance
- Signal R

LANGUAGES

- C#
- LINQ
- SQL
- JavaScript
- HTML
- CSS
- TypeScript
- Ruby
- Java
- Python

WORK PROJECTS

Configuration Control System

Designed and implemented an internal configuration control system to track product revisions using customer-supplied and manufacturing data. Centralized disparate information from multiple web applications and databases into a single, API-driven service. Ensured consistent behavior and data integrity across all consuming systems.

Help Desk

Developed an ASP .NET Core MVC internal DevOps ticketing system that lets users submit support requests with multimedia attachments (MP4, PNG, JPG, XLSX), then tracks every update through a chat-style messaging interface. I built and optimized the media upload and rendering pipeline for seamless handling of large files, engineered an SMTP-driven notification engine to send automated emails at ticket creation, status changes, and resolution, and designed a searchable conversation history to ensure clear, accountable communication. This solution significantly improved transparency and accelerated issue resolution across the DevOps organization.

WIP Map

Implemented an ASP.NET Core Blazor application that provides a dynamic, drag-and-drop canvas for visualizing each job's gross profit by building. Administrators can place tables exactly where they need on the screen, and as jobs are scanned, progress updates appear in real time at their designated locations. This solution delivers an intuitive, high-visibility interface that adapts to evolving factory layouts without code changes.

Wire Operations

Engineered an ASP.NET Core MVC web app to streamline the wire-harness manufacturing workflow. The system aggregates data from multiple tables, generates commands for laser-marking machines, and then guides technicians through each assembly step. By leveraging multithreading and SignalR, the application pushes live status updates and maintains a responsive UI even under heavy load.

Juggle

Built a social-networking platform using Vue 2 on the front end and Ruby on Rails on the back end to keep teams connected with reminders and scheduling. Optimizing API endpoints and database queries ensured fast load times and seamless collaboration across devices.

ITT

This project was a work-flow automation application designed to improve the efficiency and management of their tank workflow. In this project I worked with ASP.NET Core for the full-stack development of the app.

ACADEMIC PROJECTS

War Driving Drone

Collaborated with Elbit Systems of America to deliver an autonomous drone–based Wi-Fi reconnaissance platform. Assembled a kit drone around an Orange Cube flight controller, integrated Kismet for passive access-point scanning, and streamed both scan results and flight telemetry over MQTT. Designed and implemented a cross-platform Tauri/Vue 3 application that renders discovered APs on an interactive Leaflet map, providing downstream teams with geolocated data for targeted security testing.

Secret Santa

Architected and built a Vue 2 single-page web application to automate and anonymize traditional family gift exchanges. Developed a secure matching algorithm, intuitive UI components, and state management workflows, all under a collaborative GitHub workflow. Employed modern JavaScript, CSS, and HTML best practices to ensure responsiveness and ease of use across devices.

Animal Voice App

Led the end-to-end development of an Android app that identifies animal species from audio recordings. Crafted the UI in Android Studio's XML layout system and integrated Firebase Authentication and Realtime Database for user account management. Implemented Python-based machine learning models, adapted from academic sources, to process uploaded audio and return high-confidence species predictions in real time.

REFERENCES – UPON REQUEST