

ALEXANDRU PANTEA

Software Developer in Austin, Texas 78653 | (254) 230-8704 | alex@alex-pantea.com

Summary

Software developer with **6 years of experience** across various technology platforms. Proficient in full-stack development and in the Microsoft technology stack. Demonstrated track record of designing and implementing scalable applications, resulting in a **20% increase in user engagement and satisfaction**. Skilled in writing clean, efficient, and maintainable code, leading to a **30% reduction in average bug count** per release cycle through **unit testing and integration testing**. Demonstrated ability to adapt quickly to new technologies and deliver high-quality software solutions. Experienced with **Agile development** methodologies and effective collaboration within cross-functional teams. Strong problem-solving skills, a commitment to continuous learning, and strong communication and interpersonal abilities enabling effective collaboration and project success.

Core Competencies

Software Development Lifecycle

Single Page Applications

Prototyping / Testing / Debugging

Serial / Socket Protocol Communication

Web Application Development

Landing Page Creation

Requirement Gathering and Analysis

User Needs Assessment

Front-end / Back-end Development

Quality Assurance

Strategic Project Management

Problem Resolution

Professional Experience

MicroAssist, Austin TX

Software Developer II

2016 – 2022

- Built **5 user-friendly websites** using various languages and tools, including **C# .NET 6.0 and ASP MVC**, resulting in improved user engagement and satisfaction.
- Orchestrated all aspects of database access and modification for **7 projects**, ensuring adherence to predefined guidelines and procedures.
- Collected and interpreted project requirements, successfully delivering **5 projects** on time and within scope.
- Generated and presented custom reports for Texas Department of Public Safety (TxDPS) and various state agencies, meeting all deadlines.
- Enabled **50+ agencies** in meeting daily needs by providing **numerous desktop and console applications**.
- Planned and deployed **microservices** for a client's website to handle different transaction types, services, and line items in an efficient manner.
- Created a new website for TxDPS called Conviction Name Search
 - Architected back-end with new schemas, procedures, and aliases to use existing data tables
 - Devised entire front-end using **MVC, Bootstrap 5, and JavaScript** libraries
 - Introduced a new payment processor meeting **PCI DSS compliance**
- Delivered maintenance and upgrades to Texas Online Metals Recycling Website
 - Enhanced website **front-end to support mobile devices**
 - Contributed on **error handling** of customer batch data
 - Deployed new payment processor
- Supervised the maintenance of various **C# ASP.NET Web Forms websites** for TxDPS
 - Maintained existing billing system through **data integrity checks**
 - Provided **customer assistance** with clients, agencies, and individual users
 - **Delivered critical reports** within an hour of request

Education

Texas State Technical College | Waco, Texas | 2016

Associates of Science in Business Applications and Development

Baylor University | Waco, Texas

106 units towards a Bachelor of Science in Computer Science

Personal Projects

- **DIY Audio Control Panel** – <https://github.com/alex-pantea/ControlPanel>; A project that provides hands-on experience with various technologies, from motor controllers and C++ Arduino programming to REST APIs, MQTT brokering systems, and COM interfaces to access lower-level functionality within Windows.
- [Alex-Pantea.com](https://alex-pantea.com); An **email server and portfolio** administered for the past 9 years.
- **Home Assistant Automation**; A self-hosted Linux machine that centralizes devices within the house, offering a unique platform for developing new solutions—from a python script to scrape websites for AES encryption keys to a bash script to modify DNS records on the VPS hosting my email server.

Technical Skills

Back-End: C# .NET, SQL, Java, C++, Node.JS, Python, Bash/UNIX, API Development

Front-End: HTML5, MVC, CSS, JavaScript, Angular, React, Responsive Design, Accessibility

Framework and Software Applications: Bootstrap, Docker, SSRS, Git, Jira, Slack, Teams, Visual Studio

Language Proficiencies

English (Native) and **Romanian** (Native)