

CLAY ROBERT SMITH

Senior Developer | Full-Stack Architect

Aston, PA | 610-849-3464 (cell) | clay.smith.r@gmail.com

<https://www.linkedin.com/in/clay-smith-b7729826/> | <https://github.com/claysmith>

PROFESSIONAL SUMMARY

Senior Developer with 17 years of experience architecting scalable enterprise solutions. A versatile engineer with a proven track record of architecting new solutions from scratch and navigating complex migrations. Committed to Agile excellence and delivering high-performance tools that bridge the gap between complex data and intuitive user experience.

AREAS OF EXPERTISE

.NET (C#, ASP.NET MVC) | Front End (React, JavaScript, TypeScript, CSS & HTML) | Databases (SQL Server, Oracle, and PostgreSQL)

PROFESSIONAL EXPERIENCE

THAYER DISTRIBUTION | Aston, PA | Feb 2024 – Jan 2026

Fullstack Web Developer

Architected mission-critical internal applications for a major regional wholesaler.

- **Framework Transition:** Co-led with the strategic migration of internal tools from **React to Sencha Ext JS** to handle complex, data-intensive enterprise requirements.
- **Fullstack Architecture:** Engineered high-performance features using a **.NET/C#** backend and **PL/SQL** databases.
- **API Integration:** Designed and consumed RESTful APIs to synchronize internal office logic with 3PL and inventory management services.
- **High-Throughput Image Processing:** Architected custom CLI utilities for bulk image transformation and database synchronization featuring configurable parallelism to optimize processing speed based on available system resources.

FLAGSHIP CREDIT ACCEPTANCE | Chadds Ford, PA | Sept 2015 – Jan 2024

Application Developer

Optimized enterprise-level financial and internal management systems for a leading auto finance provider.

- **Performance Optimization:** Overhauled the internal Issue Management System (IMS), achieving a **10x performance increase** in page load speeds.

- **Code Refactoring:** Refactored the corporate HR portal, **reducing the codebase by 70%** while expanding functionality using **DevExpress**.
- **Cost Savings:** Developed a custom **Contract Image Viewer** to replace an expensive commercial system, saving significant licensing costs.
- **Automated Audit Compliance:** Engineered a custom **C#** solution to extract and transform raw data into auditor-ready documentation, significantly reducing manual preparation time and ensuring **100%** reporting accuracy.

VIZANT TECHNOLOGIES | *Chadds Ford, PA* | June 2015 – Sept 2015

Software Development Consultant (Contract)

- Engineered an automated pipeline to extract financial data points from PDF documents into an **EAV data model** in **SQL Server 2012**.

ELECTRONIC TAX SYSTEMS | *Aston, PA* | Sept 2011 – June 2015

Full Stack Software Engineer

- **Strategic Migration:** Led a 3-month initiative to port the **TaxWizard** suite from **Oracle 11g** to **SQL Server 2008**.
- **Database Engineering:** Developed complex stored procedures and triggers in both **PL/SQL** and **T-SQL** to enable seamless and fast exchange of information between the website and data storage.

SINGLE DIGITS | *Manchester, NH* | Sept 2009 – Sept 2011

Software Developer

- **CTO Reporting:** Served as core in-house developer; engineered multi-threaded **Java** server-side applications for **SNMP** network monitoring and hardware automation to monitor health of wireless devices.

TECHNICAL SKILLS

- **Languages:** **C#** (.NET 10), **JavaScript** (ES6+), **TypeScript**, **VB.NET**, **Perl**, and **Python**.
- **Web & UI:** **React JS**, **Sencha Ext JS**, **ASP.NET MVC & Web Forms**, **HTML5/CSS3**, **DevExpress**.
- **Databases:** **MS SQL Server** (2008–2017), **Oracle** (11g/12c), **PostgreSQL**, and **MySQL**
- **CI/CD:** **Github Actions**

EDUCATION & RESEARCH

WINONA STATE UNIVERSITY | *Winona, MN* **BS in Computer Science** | 2009

- **Publication:** “*An Automated Test Generation and Execution System,*” Proceedings of **CAINE-2007**.
- **Publication:** “*Analysis of Using Force Fields with a Pen Input Device,*” **ISCA 2009**.