




# Ernie Wieczorek

Computer Software Developer

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Ernie Wieczorek is an experienced software developer with a focus on web application development. He is capable of creating both client-side and server-side software, along with designing intuitive and functional user interfaces.

## Specialties

- Data storage mechanisms, such as relational and non-relational databases.
- Front-end development of modern, interactive, and cross-browser compliant user interfaces.
- Ensuring that high levels of security are met at each layer.

## Languages & Technologies

C#   JavaScript   TypeScript   Rust  
.NET   Asp.NET   ServiceStack  
SQL Server   PostgreSQL   MongoDB  
Redis   Node.js   D3.js   HTML5   CSS  
Web Assembly   Webpack

## Experience

### Intertrust Group

Developer (Apr 2011 – Oct 2014)

Responsible for the development and maintenance of Intertrust's online Client Portal — specifically: making the site operate as efficiently as possible, ensuring reliable integration with internal systems, designing flexible solutions for jurisdiction dependent requirements, and consistently implementing new features that help both clients and administrators alike.

### Accomplishments

- Created a fully automated build, packaging, and deployment system using MSBuild and TeamCity. The system was also capable of digitally signing generated packages to ensure that they could only be extracted and installed in environments for which they were intended.
- Constructed RESTful web services to allow independent document management systems to maintain control of documents on the portal.
- Leveraged D3.js to create an interactive diagram for visualizing relationships between entities and individuals.
- Implemented a new Membership-Provider to improve security by enforcing stricter authentication procedures. The Membership-Provider also added safer lock-out logic to prevent denial of service attacks and upgraded the mechanism used for securely storing sensitive client information.

- Improved site performance by optimizing code and incorporating tools such as non-relational databases.
- Helped re-style the website to match Intertrust's theme while also improving the site visually.

## Sabre Systems, Inc

Software Developer / .NET Programmer (Jun 2008 – Feb 2011)

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Implemented and maintained internal software solutions in accordance with project goals and changing business needs. Other responsibilities included providing user support and troubleshooting errors.

### Accomplishments

- Worked in both individual and group environments to design, implement, and maintain multiple AJAX based applications for Sabre's corporate intranet website.
- Helped redesign Sabre's internal website to accommodate hosting richer and more dynamic web based applications.
- Integrated ASP.NET MVC and Ext.Direct frameworks into Sabre's intranet website for the purpose of more effective and streamlined client and server communication.

## Education

### Temple University

Bachelor of Science in Information Science & Technology (2005 – 2009)

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- **Magna Cum Laude** – Graduated within top 5% of class (3.84 GPA overall; 4.0 GPA within major).
- **CIS Outstanding Achievement Award** – Annual award given to the graduating senior with the highest overall grade point average in Information Science and Technology.
- **CIS Junior Scholarship Award** – Annual scholarship awarded to one junior for excellence within the School of Computer and Information Sciences.
- **Dean's List at Temple University** – Maintained GPA within the top 16% of the School of Computer and Information Sciences throughout entire college career.

### Stanford Online

Cryptography I (2013)

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- Completed Dan Boneh's online Cryptography course with distinction.