

# Matthew Morrone

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## Full-Stack Software Engineer

*Innovative professional with record of developing elegant solutions*

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Technically sophisticated engineering professional experienced in using various tools and technologies to develop applications and drive software innovation. Demonstrated ability to update and optimize large, complex legacy applications. Proven capacity to design and develop new tools and software to meet business requirements. Accomplished developer that quickly becomes the go-to person for high priority and high visibility projects and deliverables.

*Software Development / Web Design / Agile Methodologies / Database Design*

*User Interfaces / Troubleshooting & Issue Resolution*

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### TECHNICAL PROFICIENCIES

**Languages:** Javascript, PHP, Python, C#, Visual Basic, Node.js, Coffeescript, Java, C, Perl, Ruby  
**Development:** Git, Visual Studio, Sublime Text 2&3, SVN, XAMPP, MAMP, Eclipse, Aptana  
**Database:** MySQL, Oracle, SQL Server, MongoDB (NoSQL), PostgreSQL  
**Technologies:** HTML5, CSS3, Razor, DOM, AJAX, JSON, Canvas, SVG, XML, XPath, XSLT  
**Frameworks:** Angular, Knockout, NHibernate, Oracle/JDBC, Backbone, CakePHP, Django (MVC)

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### PROFESSIONAL EXPERIENCE

#### Application Development Engineer (TEKSystems Contractor)

07/2015 – 03/2016

*Office of the Attorney General, Harrisburg, PA*

Modernized legacy software applications that were coded using CRM, Oracle and Adobe technologies by reassessing the functionality and rewriting the programs in C, SQL Server, EF, and ASP.NET. Oversaw the maintenance of multiple user-facing and internal websites, including troubleshooting bugs and enhancing functionality. Collaborated with users to define enhancement requests and track defects.

#### **Key Achievements:**

- Spearheaded effort to modernize an application used for ordering business cards
- Upgraded legacy Oracle PL/SQL database to an optimized TSQL solution
- Designed and upgrade SSRS reports in order better meet business requirements

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## **Software Engineer** (TEKSystems Contractor)

11/2014 – 05/2015

*Leidos, Mechanicsburg, PA*

Increased the usability and reliability of applications by optimizing the existing codebases composed of various languages and technologies. Mastered new tools and technologies in order to drive overall functionality. Collaborated with agile development team to ensure that projects were completed on time.

### **Key Achievements:**

- Debugged and refactored enormous codebase of VB, TSQL, JS/CSS/HTML
- Repaired and augmented an ASP.Net web application used to support military supply chains

## **Software Engineer** (TEKSystems Contractor)

06/2014 – 10/2014

*Geodecisions, Camp Hill, PA*

Developed modules of an Enterprise GIS (EGIS) system used for embedding maps in new and existing applications. Designed and implemented database schemas using a variety of tools. Built and optimized user interfaces using tools such as Razor, jQuery, and Bootstrap.

### **Key Achievements:**

- Developed functionality that allowed user-created maps to be shared publicly or privately to a specified group of users, increasing users' privacy and control of their work

## **Software Engineer, Database Administrator**

04/2012– 10/2013

*Thrive (formerly the Affective Computing Company), Pittsburgh, PA*

Designed and developed applications and tools to streamline business processes and increase efficiency. Collaborated with users to expand business cases and create detailed technical designs outlining the approach and technical architecture.

### **Key Achievements:**

- Developed a content management systems using CakePHP and MySQL schemas used by both internal and external customers
- Constructed an automated system with PHP/Cron that sent emails/texts at specified times

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## **EDUCATION**

### **Bachelor of Science in Computer Science, (2014)**

University of Pittsburgh, Pittsburgh, PA

### **Bachelor of Arts in Linguistics, (2014)**

University of Pittsburgh, Pittsburgh, PA