



# Anthony Umfer

## Software Developer

2031 Greenes Way Cir  
Collegeville, PA 19426

610.331.5720  
[aumfer@gmail.com](mailto:aumfer@gmail.com)  
[github.com/aumfer](https://github.com/aumfer)

## Platforms

AWS  
.NET Core  
NodeJS  
Desktop (Native)

## Languages

C#  
C/C++  
JavaScript  
TypeScript  
Python  
Java

## Tools

NoSQL (DynamoDB, Cassandra)  
SQL  
Queues (RabbitMQ, SQS)  
Containers (ECS)  
Lambda  
ElasticSearch  
REST

## Education

**Drexel University**  
Computer Science  
2004 - 2007

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## Experience

### Cox Automotive, Inc / Senior Developer

2017 - 2019

Designed and implemented operational intelligence platform based on AWS, .NET Core, and Terraform

Microservice architecture runs on ECS containers, Lambda functions, and ElasticSearch

System monitors ECS & Beanstalk deploys, CodeBuild builds and unit tests, Terraform state, Load Balancer requests, Application-specific requests/responses

Kibana dashboard to visualize and query deployments and live service traffic across environments

### Stratz LLC / Principal Architect

2016 - 2017

Designed and implemented data processing and analytics platform

Service-oriented architecture processes, analyzes and stores 2+ TB and 1,000,000+ messages daily

System built with C#, Java, ASP.NET MVC, RabbitMQ and Cassandra

### Vertex SMB / Senior Consultant

2013 - 2016

Responsible for modelling complex business domains and workflows (sales tax)

Implemented single page applications using ASP.NET REST APIs and AngularJS clients

Performed analysis and optimization of message queue / service bus technologies as well as SQL Server query & data access performance

Helped on-board new team members, providing guidance on both the technical architecture & coding standards as well as business domain

### Comcast / Senior Developer (Contract)

2012 - 2013

Prototyped dynamic interactive web/mobile UI using jQuery Mobile and KnockoutJS to view and track customer service activity across channels

Developed integrations with Salesforce Force.net & Oracle RightNow enterprise customer service products

Created prototype implementations of photo-based login and bill payment workflows using several OCR services

### InterviewStream / Senior Developer

2008 - 2012

Built global, scalable, secure video publishing and delivery platform based on Flash, ASP.NET MVC, MySQL, and Amazon EC2/S3 cloud services

Updated legacy applications to utilize latest best practices for security, data access, application architecture, AJAX and video compression

Developed REST and Javascript API, enabling enterprise client integration

Worked directly with international clients to develop custom solutions and integrations

