**John Bartos**jbartos7@gmail.com

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**Summary**

A rising software engineer with a strong knowledge of computers at several layers of abstraction,experience developing full-stack applications, and

**Education**

**Rutgers, The State University of New Jersey, School of Engineering, Piscataway, NJ**Bachelor of Science, Electrical and Computer Engineering, May 2014. GPA: 3.068  
  
**Skills**

*Languages:* C#, C, C++, Powershell, Javascript, HTML5, CSS3, Python, Bash, Sql *Technologies:* MongDB, Express, Angular, Node, Bootstrap, Visual Studio, SQLServer, Microsoft.NET, ASP.NET, JQuery   
  
**Work Experience**

**DataOnline LLC** *June 2014-Present*

* Pioneered work on an HTML5-based pilot based on the MEAN stack, demonstrating an approximately 400% increase in page load speed over the current Silverlight platform
* Developed several Powershell scripts for expanding automation of our build and deployment process, improving the efficiency and reliability of our DevOps team
* Designed a RESTful token-based authentication microservice in C# ASP.NET capable of securely providing tokens in approximately 20ms
* Overhauled Javascript mapping application, streamlining the user interface in addition to adding Baidu Maps support for customers in China
* Engineered and documented a process for creating WiX installers, enabling automatic installation of Visual Studio 2013 solutions
* Alleviated database load by developing a microservice to perform costly packet counting operations in memory, reducing total SQL reads by over 4 million per minute per page instance
* Collaborated with company owners to design a Helium ISO data visualization demo for ITCO 2015

**Rutgers, The State University of New Jersey, Sequence Analyzing and Modeling Lab (SEQAM)** *May 2013-May 2014*

* Excelled in independent work on an indoor drone-control project under Vladimir Pavlovich, professor of computer science
* Realized the system without the use of expensive motion capture or GPS equipment, relying solely on information provided from a Microsoft Kinect
* Gained valuable experience in autonomous systems, including the construction of PID controllers and creation SLAM algorithms

**Projects**

**Personal Website – johnbartos.io**

* Independently designed and developed a personal website utilizing the MEAN stack
* Researched and utilized current best practices to