

## SKILLS

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**Languages/Frameworks:** C#, .NET Core, ASP.NET, IdentityServer, ServiceStack, Ruby, Rails, Obj-C, SQL  
**Azure Services:** Cloud Services, Service Fabric, Service Bus, App Services, AAD, Application Insights  
**Databases/ORMs:** MS SQL Server, SQL Azure, PostgreSQL, MySQL, Entity Framework, Active Record  
**Tools:** Visual Studio 2010-2017, VS Code, TFS/VSTS, Git, Redis, Memcached, JIRA, Photoshop

## EXPERIENCE

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### Lead Software Engineer at UniKey Technologies

May 2015 - Present

- Managed a team of 8+ developers building web and API products. Provided technical expertise in development, architecture, performance, and scalability. Provided frequent individual guidance and coaching.
- Developed and supported APIs with Azure Cloud Services and Azure Service Fabric powering numerous commercial and residential IoT access control products serving more than 10mm API requests each day.
- Developed software which handled 20,000+ persistent WebSocket connections. Implemented asynchronous message processing using Azure Service Bus to achieve scalability in handling over 5mm messages per day.
- Drove development of a public, RESTful, OAuth 2.0 API which allowed partners to develop their own applications leveraging the UniKey platform. This API also served as a base for all third-party product integrations.
- Lead development of product integrations with Amazon Alexa, SmartThings, Nest, Honeywell, and more.

### Lead Engineer at Cloudspace

September 2012 - May 2015

- Lead a scrum team of engineers in developing iOS, Android, and Ruby on Rails applications. Developed architecture plans for new projects and assisted in their implementation. Facilitated team member learning.
- Worked to implement continuous integration and company-wide development standards leading to better reliability, better maintainability, better test coverage, and faster overall development.
- Acted as a full-stack engineer developing Objective-C iOS applications and Ruby on Rails APIs backed by PostgreSQL and memcached. Managed production environments hosted with Amazon Web Services EC2.

### Software Development Contractor

December 2009 - September 2012

- Worked as a full-stack engineer leading development of buyeatsave, a python/django based restaurant deals platform. Features included social media integration and telephony support through Twilio.
- Developed a C++ application that interfaced with financial trading software and executed stock trade orders in real-time based on results from a distributed python market analysis cluster.
- Built a series of python tools to extract, transform, and load data from numerous sources with billions of records into a unified relational database for analysis.

### UCF/Lockheed Martin CWEP

July 2008 - November 2009

- Proposed and developed an interactive inventory reporting application and web service that was used to make critical USG inventory decisions at warehouses across more than ten countries.
- Ported reports and tools from an IBM Mainframe to C#/ASP.NET WebForms using MS SQL Server.

## EDUCATION AND ACHIEVEMENTS

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### University of Central Florida

2010

*Bachelor of Science: Double major in Computer Science & Information Technology*

### Eagle Scout

2004

*Boy Scouts of America*