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**Experience**

Brainshark Inc., Boston, MA, July 2018 – Present

**Senior DevOps Engineer II.** October 2020 – Present

* Migrate 20-year-old application to Azure in 6 months as the sole DevOps engineer on a cross-functional team
* Design enterprise Infrastructure as Code (IaC) solution using Packer, Terraform, PowerShell, and Python to create, maintain, and scale application infrastructure reliably both on-premise and cloud
* Set up CI/CD pipelines using Jenkins and Octopus for .NET, Angular, Python, on-premise, and Azure solutions
* Configure Azure Application Gateway load balancer from the ground up to replace legacy A10 load balancer
* Develop Python package to automate A10 configuration and integrate into Terraform and Octopus
* Build and configure both Windows and Linux machine images using Packer and PowerShell
* Refine infrastructure configuration to improve end-to-end application load times by 10-100x
* Introduce formal git branching and peer-review process to the DevOps team for IaC solutions
* On-call 24/7 for production alerts, resolve issues to ensure site stability

**Senior Software Engineer II.** July 2020 – October 2020

**Senior Software Engineer.** July 2018 – July 2020

* Technical lead on high priority projects and goals across multiple engineering teams and areas of the product
* Lead developer meetings to plan and implement major technical improvement initiatives across the entire system
* Collaborate intimately with team and stakeholders to foster open communication and positive momentum
* Team up with peers from a newly acquired company to integrate our products and deliver a seamless UX
* Propose and implement GraphQL API with OAuth 2.0 to provide a robust data access query web service
* Build full-stack integrations with third-party products including Google Drive, Salesforce, Microsoft Dynamics
* Reduce failure rate of critical features by 11x and optimize code for maintainability and reliability
* Build a cost-efficient serverless Azure function to reduce the size of 300k+ daily image assets by up to 65%
* Separate valuable shared business logic from our legacy monolithic code base to new, independently deployable solutions to reduce deployment times by 20x, significantly increasing software delivery performance
* Architect and implement services to abstract file storage and retrieval through any storage medium, such as Azure Blob and Amazon S3, to replace a 3rd party solution costing $100k per year
* Facilitate more active collaboration in peer reviews, encourage unit test coverage and TDD, promote clean code

**Application Developer.** Digital Federal Credit Union, Marlborough, MA, March 2016 – June 2018

* Re-architected and enhanced an acquired third-party balance transfer solution to fit within our infrastructure
* Created a responsive, dynamic form generation platform for web and mobile hosting thirteen forms
* Evaluated in-house development work required for quarterly core banking platform upgrades
* Created a loan-sharing and participation web portal for the credit union to securely share sensitive loan data and documents with other financial institutions, and offer portions of these loans for sale
* Supported, analyzed, and enhanced in-house payment platform, which handled over 35,000 payments monthly
* Produced Jenkins build pipelines, performed nightly and emergency production deployments and validation
* Collaborated with server and security teams to design secure web application standards and architecture
* Scrum Master for development team; led stand-ups and refinement, created Jira workflows and Agile processes
* Wrote technical documentation for applications, developer onboarding, procedures, and troubleshooting

**Software Developer.** APBN Inc., Pulaski, PA, December 2013 – November 2015

* Developed applications optimizing business operations and organizing data using C# and MySQL
* Improve company operations by maintaining office systems and supervising staff
* Work with employees to identify pain points and inefficiencies, and create valuable software solutions

**iOS Developer.** Self Employed Appex LLC, June 2012 – March 2016

* Created several health & fitness apps hosted on the iOS App Store with 40,000+ downloads
* Developed native iOS apps in Objective-C using MVC design pattern and Apple’s iOS guidelines

**Software Engineer.** WM Associates Inc., Burton, OH, 2013

* Contributed to a real-time data acquisition, test and analysis web application using C#, XAML and Oracle
* Created dynamic charts, graphs, and tables for large scale data analysis using Infragistics

**Skills**

* **Programming Languages:** C#, SQL, Python, JavaScript, Angular, HTML/CSS
* **DevOps Technologies:** Terraform, Packer, PowerShell, Networking and Security, vSphere, Nutanix, Jenkins, Octopus, Infrastructure as Code, Load Balancing, Fastly Caching, Git, Bitbucket, Sumo Logic
* **Other Skills:** Azure, GraphQL, SQL Server, Microservices, REST APIs, Enterprise Software Architecture, Cloud Architecture, .NET, Jira, Object-Oriented Design, Agile, Unit/Integration Testing, Scrum, Mentorship

**Education**

**Youngstown State University.** Youngstown, OH

* **Bachelor of Science**, August 2013
* Major: **Computer Science** Minor: **Math**
* Overall GPA: **3.64/4.0**
* **Magna Cum Laude**, Dean’s List