## Contact

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www.linkedin.com/in/jasonsduffy
(LinkedIn)

## Top Skills

Transformer Models

Long Short-term Memory (LSTM)

Convolutional Neural Networks
(CNN)

## Certifications

Convolutional Neural Networks

Deep Learning

Sequence Models

Neural Networks and Deep Learning

# Jason Duffy

Senior Software Engineer at augustwenty
Columbus, Ohio Metropolitan Area

## Summary

My goal is to write usable software in a way that is easy to read and
maintain.

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## Experience

augustwenty
Senior Software Engineer
November 2020 - Present (5 years 3 months)
Columbus, Ohio Metropolitan Area

- Leading accessibility compliance initiative bringing public-facing legislative
websites to WCAG 2.1 AA standards, improving access for constituents with
disabilities.
- Modernized law drafting application for Ohio Legislature (Vue/Spring Boot
backend), implementing concurrent workflow system enabling parallel editing
of complex legislation spanning thousands of pages.
- Primary iOS developer for nuCamp mobile app (Swift/Elixir/Phoenix), leading
end-to-end development of dual-platform application for specialty camper
manufacturer with zero internal development capacity.
- Architected scalable Elixir/Phoenix backend supporting community features
connecting users across North America; delivered complete handoff including
deployment pipelines, documentation, and analytics.
- Contributed to hardware-in-the-loop testing framework (.NET) for embedded
systems communication in industrial and automotive environments.

Substratum
Senior Software Engineer
April 2018 - September 2019 (1 year 6 months)
Delaware, Ohio

- Worked on an open-source cross-platform Rust program designed to fight
censorship by encrypting traffic and routing through a decentralized network
- Helped design and deploy an Ethereum smart contract to represent the utility
token that will fuel the network

## Pillar Technology
Developer
April 2014 - April 2018 (4 years 1 month)
Columbus, Ohio Area

- Technical Lead for the team that developed the customer-facing iOS app for American Electric Power - branded and customized for each of its subsidiary operating companies.
- Automated testing and deployment to ensure the ability to maintain a rapid release cadence.
- Worked closely with the user experience team along with feedback from users to create an enjoyable, high-quality experience.

- Worked with a loyalty marketing services company to bring quality mobile development in-house.
- Developed a multi-platform (Android and iOS) functional test suite to ensure consistency across platforms.
- Created a continuous delivery pipeline to be able to release beta apps instantly after code commit and fully passing automated tests.
- Developed a modular, maintainable, customizable iOS private label credit card services plugin for delivering to client retailers for inclusion in their retail mobile apps.

- Test driven C++ on embedded systems for John Deere.
- Enhanced the capabilities of the on-board system to automate fine-grained control over tasks based on what has already been done on previous runs.

## Auditor of State - Ohio
6 years 9 months

UAN Developer
February 2012 - April 2014 (2 years 3 months)
Uniform Accounting Network software development (Windows Forms).

- Contributed to the development of the newest release of the UAN accounting and payroll software (VB.NET and T-SQL stored procedures) with new features such as concurrent users and a dedicated database.
- Designed software using VB.NET and Test Driven Development with NSpec and C# to migrate data and settings for client hardware upgrades to streamline the process as much as possible for remote users and reduce potential support line call volume.

Web Developer
August 2007 - February 2012 (4 years 7 months)
Web application development in ASP.NET and T-SQL for internal and external use.

- Created a web application to capture audit data, reduce data entry, streamline the audit release workflow, and allow queries and tracking.
- Created a web application to streamline the process of transferring paper audits from regional offices to headquarters to be digitized.
- Created web registration applications for seminars hosted by the Auditor of State to keep track of sign ups, payment status, and session choices.
- Assessed the Auditor of State website for 508 accessibility compliance and made adjustments where necessary.

The Ohio State University
Systems Specialist
September 2004 - August 2007 (3 years)
Network infrastructure maintenance for campus classroom computers, including designing new infrastructure.

- Participated in a task force to implement ITIL service management best practices.
- Created universal software images for classroom computers, computer labs and staff computers, reducing time necessary to build and maintain multiple images.
- Designed and installed network infrastructure for new technology-equipped classrooms, including setup of Cisco switch IOS configuration.
- Hired, trained and managed student IT support technicians.
- Administered Active Directory domains for various entities within the university.
- Hardware, software and network troubleshooting for Mac and PC computers, including repair certification and RMAs.

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# Education

The Ohio State University
ECE, Computer Engineering · (1998 - 2003)