

Patrick Billodeau

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At a Glance

- Professional full-stack software developer for 7 years
- Extensive DevOps experience
- Customer facing role
- Frequent work with 3rd party vendors

Interests

- Solving difficult technical problems
- Working with others to solve their technical problems
- Always growing and learning something new

Relevant Technologies

- Operations
 - Ansible
 - Jenkins
 - Docker
 - ELK
 - Gitlab
 - LAMP stack
- Development
 - PHP
 - ECMAScript
 - ASP.NET
 - React
 - Drupal

Volunteer work

- Emerging Digital Academy mentor
- Curiosity Week 2020 speaker

Articles

patrickbillodeau.com/docker-intro

Lead Applications Developer

January 2021 – Present

Front-end Developer

July 2016 - January 2021

State of Minnesota

Major awards

- **2020 Distinguished Achievement Award** (Individual)
 - For delivering several projects on-time with high impact
- **2020 Distinguished Achievement Award** (Team)
 - For serving as the technical lead implementing an ASP.NET application to help catch under-performing students
- **2019 Distinguished Achievement Award** (Team)
 - For serving as the technical lead implementing college's public website (www.minnesota.edu)

IT DevOps and automation

- Rebuilt our infrastructure (4 servers) with Ansible scripts to completely provision our infrastructure as code (IaC)
- Created and maintained 30+ Jenkins pipeline scripts for continuous integration and deployment
- Setup and monitored ELK stack to ingest application logs via filebeat and metricbeat to monitor infrastructure health

Systems development

- Completely rebuilt college's public facing site from a custom-built CMS to Drupal 9 (www.minnesota.edu)
- Collaborated with MSUM to implement ASP.NET application with our unique data-structures and user needs
- Proposed and implemented a message board using Discourse to facilitate college-wide discussion on new ideas to help make the college more effective
- Designed and implemented a Data-API (PHP) that pulls data from MinnState into our own Elasticsearch instance

Customer-facing and support

- Served as technical consultant for integrations with 3rd party vendors (Maxient, AIM, and CircleIn)
- Served as the final tier of support for technical questions surrounding our applications and infrastructure
- Provided live demos and training for groups of 100+

Systems Engineer

May 2014 - July 2016

Clifton Labs

- Developed embedded-C applications that interfaced with various radios over IP
- Setup and maintained continuous integration servers

Student

August 2010- May 2014

NDSU

- B.S. Electrical Engineering
- GPA: 3.95