

Patrick Billodeau

patrick@pmail.dev | linkedin.com/patrickbillodeau | github.com/pbillodeau

SKILLS

- **Languages:** C#, PHP, TypeScript, JavaScript, SQL, C
- **Frameworks:** React, .NET, Drupal
- **Data:** PostgreSQL, Oracle, dbt Core, DLT Hub, PowerBI
- **DevOps:** Docker, CI/CD, Git
- **Arch & Leadership:** API Design, SDLC, NIST, Sprint Planning, Code Reviews

PROFESSIONAL EXPERIENCE

Minnesota State Community and Technical College | Moorhead, MN

Lead Applications Developer / Technical Lead | January 2021 – Present

- **Team leadership:** Lead a 3-person development team responsible for delivering and maintaining mission-critical applications supporting faculty, staff, and students.
- **Technical strategy:** Define application architecture, security standards, and technology strategy, improving maintainability and long-term platform consistency.
- **Key initiatives:**
 - Designed/implemented a PostgreSQL data warehouse with 100+ tables using DLT Hub, dbt Core, and Power BI to support institutional reporting and analytics.
 - Built a .NET Student Alert System to identify and support at-risk students.
 - Developed/modernized a PHP/React Curriculum Design and Assessment platform to build and measure ~100 programs and ~1000 courses.
 - Led implementation of public Drupal 10 [website](#) with ~600k page views/year.

Front-End Developer (ITS3) | July 2016 – January 2021

- **Front-end design and UX:** Developed responsive, accessible user interfaces for web applications using React.

Clifton Labs | Fargo, ND

Systems Engineer | May 2014 – July 2016

- **Low-level systems:** Developed embedded software for radio-integrated hardware.

EDUCATION

Bachelor of Science, Electrical Engineering from North Dakota State University