

Brennen Sprimont

SOFTWARE ENGINEER · EMBEDDED ENGINEER · FULLSTACK ENGINEER · LIFELONG LEARNER

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Experience

Wabtec Railway Electronics

Cedar Rapids, Iowa

SOFTWARE ENGINEER

March 2017 - Current

- Develop and maintain safety critical systems for an embedded real time train safety, metric analysis, and communication system.
- Develop and maintain safety critical software on real time operating systems.
- Develop and maintain safety critical firmware for ARM based systems.
- Develop and maintain real time data capture, queueing, and reporting tools.
- Develop and maintain simulators to debug and test complex embedded systems.
- Develop and maintain hardware test fixtures to simulate input signals.

Programming Languages C, C++, Python, C#, ARM Assembly

Embedded Environments LynxOS, QNX, FreeRTOS

Data Systems PostgreSQL, Apache Kafka

Web Systems Django, Flask

Tooling git, svn, gcc, make, Linux, LynxOS, QNX, Windows, LXC, Rational Team Concert, Doors Next Generation

Rockfarm Logistics

Dubuque, Iowa

SOFTWARE ENGINEER

May 2015 - March 2017

- Develop and maintain real time logistic communication systems between clients and shippers.
- Develop and maintain real time reporting tools for logistic networks.

Programming Languages C#, Python

Data Systems MySQL, MSSQL

Web Systems ASP.NET MVC, ASP.NET, Vanilla.js

Tooling git, Trello, Visual Studio

University of Wisconsin Platteville

Platteville, Wisconsin

WEBSITE DEVELOPER

Jul. 2012 - Jun. 2013

- Develop and maintain web systems for the University of Wisconsin Platteville.
- Develop and maintain equipment database and inventorying system.

Programming Languages C#

Tools/Technologies ASP.NET, MSSQL, NHibernate, svn

Ragnarsoft

Platteville, Wisconsin

SOFTWARE ENGINEER / CO-FOUNDER

Jul. 2016 - Current

- Develop and maintain custom web and mobile solutions.

Programming Languages C#

Tools/Technologies AWS, Apache, Android, Xamarin

Education

University of Wisconsin Platteville

Platteville, Wisconsin

B.S. IN COMPUTER SCIENCE (EMPHASIS IN MATHEMATICS)

August 2012 - May 2016

Skills

Programming Languages Python, C, C++, C#, JavaScript, Java, ARM Assembly

Data Systems PostgreSQL, MySQL, Apache Kafka

Web Django, Flask, ASP.NET MVC, ASP.NET, Node.JS, HTML5

Tooling git, gcc, make, CMake, Linux, LynxOS, QNX, Windows, LXC, Docker, Visual Studio, IAR