

Charles Bassett

Software Developer



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Technical Skills

Overview

Agile	Nginx
Teamwork	Linux
Laravel	Git
React	TravisCI
Angular	AWS
Bootstrap	REST

Languages

Rust	PostgreSQL
Php	C#
Python	HTML
JavaScript	CSS
MySQL	

Education

2018 **BS, Information Technology**

Minor: Mathematics

Minnesota State University

Experience

Apr 2016 - **Buro 507**

May 2019

- **Team Lead** August 2018 - May 2019
- **Developer** April 2016 - August 2018

- Owned features and bugs from conception to completion
- Designed clean and secure code for core application functions
- Built, optimized, and maintained long-term and large-scale services
- Used new technologies to manage, refactor, and improve legacy code
- Worked in agile teams with designers and project managers to deliver products and features
- Performed in-depth code reviews
- Collaborated with other developers to improve software standards
- Collected and implemented business requirements
- Introduced, designed, and implemented new testing routines and strategies
- Studied and documented faults and failures
- Created release plans and automated deployments
- Utilized design patterns and paradigms, such as OOP, MVC, and Factory, to create readable and functioning code
- Utilized bug trackers and ticket systems to respond to, manage, and fix issues
- Gathered and implemented business requirements
- Lead technical discussions and made crucial technical decisions
- Lead architectural decisions and lead project planning meetings
- Designed and implemented database schema for application use
- Developed software at the back-end and full-stack level
- Trained and mentored team members to provide guidance

Projects



SAFEHR - Student EMR System

- An EHR system, made for the Minnesota State University, to train nursing students through their degree program



UMC — Training Platform

- An employee training platform made for the Ultra Machining Company to train managerial staff



drive - Personal Cloud Storage

GitHub

- This project is meant to provide self-hosted storage of files at a remote location, rather than relying on a 3rd party. It allows creating, updating, and deleting files within a folder structure.
- Features public file sharing and video streaming
- Written in Rust, the project utilizes Nginx, Rocket, and an AWS-hosted PostgreSQL Database.



Personal Integration Service

- This project creates a connection between numerous devices, allowing them to communicate directly without creating a direct connection between them. It is targeted towards devices within a small range of each other, such as within a house or apartment.
- Features Basic and Token authentication with the WebSocket server and an administrative portal.
- It is written in Rust with PostgreSQL, using WS-RS as the Websocket interface, Rocket for the web interface, Diesel as the ORM, and Tera for the templating engine.