

KillianDebacker

Full-Stack Developer

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Hey, I'm Killian Debacker, a developer at Solarity Health. I like to code!

Work Experience

Solarity (2021-06 – Current) 2 year 11 months - Software Developer 2

Javascript, C#, SQL Server, Open Telemetry, Prometheus, Jaeger, Honeycomb, Active Directory, Gitlab Pipelines

(Health Information Accuracy, Accessibility and Interoperability)

- Developed a system for automatically creating/managing Shadow Accounts for Citrix via AD. Using SAML claims to create the account in Active Directory eliminated unnecessary logins and removed replication wait times.
- Automated Jira movement and built tracking via Gitlab pipelines. Scripts automatically set the build number and moved tickets on MR merge.
- Designed a system for creating and exporting telemetry data(metrics and traces) from hundreds of services for system monitoring and debugging. Used Open Telemetry to export the data with open source solutions Jaeger, Prometheus, and the cloud solution Honeycomb for data storage, alerting, and monitoring. This replaced legacy monitoring systems and allowed for robust monitoring and alerting of errors and throughput.
- Designed and implemented a new service for storage and encryption of secrets. Supported multiple encryption algorithms including ASP.NET Core Data Protector and HasiCorp's Vault encryption. With multiple storage services, including database and Vault storage. This replaced the legacy encryption solution, allowing more secure storage of secrets.

LMS Project (2020-06 – Current) 1 year 2 months - Associate Application Developer

Vue, PHP(Symfony), MySQL

(A platform for construction project management, invoicing, budgeting, payments, and more)

- Developed automated check creation cutting the delivery date of checks in half.
- Developed robust check monitoring and reconciliation.
- Built report generation for invoices and payments to allow a user to track projects.
- Built internal tooling API's and Vue pages for project monitoring and analytics.

Education

Dakota State University - Bachelor of Science - 3.55 GPA

- Computer Science, graduated with honors.

Programming Projects

YTLocker

React (Typescript), Golang, MySQL

(Automatic creation of playlists to manage YouTube subscriptions.)

- Create playlists, subscribe to channels, watch as videos are automatically added seconds after upload.
- Single line build commands using Docker with Docker-Compose, to help new developers.
- Test driven development for code maintainability.
- [Github](#), Live Preview: <https://ytlocker.com/>

Goal Tracking and Planning Website

React, C# (.NET, ASP.NET), T-SQL

(Simple website to track goals over time.)

- Implemented a RESTful API for Registration/Login with the ability to create, maintain, complete, and delete goals.
- [Github](#), Live Preview: <https://goal-tracker.killiandebacker.com/>