

Mark Hildreth
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Experience

Software Senior Developer / Dev Team Lead, *StickerMule (November 2017 - February 2019)*

Work with globally remote team to maintain and develop new software features supporting manufacturing and shipping. Projects include modifying backend communication to break down a monolithic Rails app into multiple services, updating React frontends, performing database migrations, and working with managers of end users to troubleshoot problems.

As dev team lead, managed the design and implementation of Printer Automation system to batch and route print jobs to available printers. The system leverages technologies like GCloud PubSub, PostgreSQL, React, Apollo, proprietary printer APIs, as well as a suite of other GCloud products for metrics, tracing, error handling and logging. Six months after starting development, the system handled over 88% of all StickerMule orders, with plans to expand it to more product types.

Software Developer, *Fiksu/Meed Mobile (April 2014 - March 2017)*

Implemented a RESTful backend for the Plunder League app, released on an accelerated schedule. Designed, planned and implemented new features while continuing reverse-compatibility with older API versions.

Actively maintained the Rails backend and React frontend of the FreeMyApps web app. Main architect in refactoring to replace over 2700k LOC containing redundant and incohesive logic and tests. Leveraged this refactored system to add new partners with a minimum of new code.

Improved data pipeline that handled batching events of over 5000 events per second into a Redshift database for aggregation, reducing an existing system of 24 hours to ship events to frontend APIs down to 6 hours. Debugged and modified databases to deal with slow queries.

Lead Architect, *Mobius Works (February 2009 - April 2014)*

Architected and developed a suite of software products (C#, Python, Flask, HTML/CSS, MySQL, AJAX, 3rd party integration) supporting integration between ConnectWise and various accounting software. During my tenure of this role, Mobius Works became the primary integration developer for ConnectWise, and the primary resource for ConnectWise customers seeking custom integration development with the ConnectWise platform.

Development of client's customizations to the Epicor MRP system using .NET and OpenEdge. During my tenure, Mobius Works grew to become the recommended consulting firm for advanced Epicor custom development. The libraries, documentation and processes I helped develop were still used after my change of role.

More Recently (*February 2019 - Current*)

In the past year, I decided to step away from full-time employment. During this time, I took up woodworking, learned Rust and Svelte, and participated in community theater. However, I am ready and excited to go back to working on a software team full-time.

Education

Bachelor of Computer Science (2006)

Western New England University (formerly Western New England College)
Springfield, Massachusetts